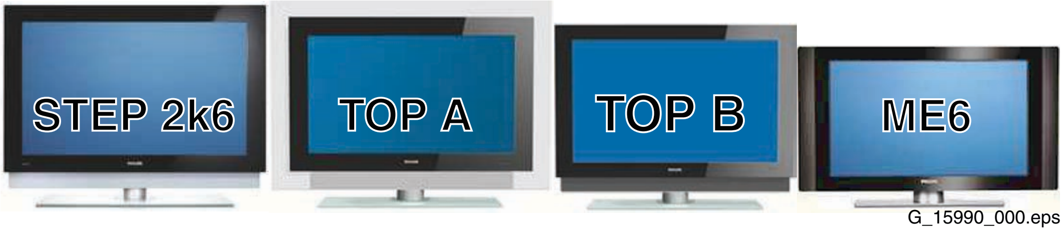
**Colour Television** **Chassis**

# FJ3.0E
## LA

Service
Service
**Service**



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# Service Manual

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# 1. Technical Specifications, Connections, and Chassis Overview

**Index of this chapter:**
1.1 Technical Specifications
1.2 Connections
1.3 Chassis Overview

**Notes:**
- Figures can deviate due to the different set executions.
- Specifications are indicative (subject to change).

## 1.1 Technical Specifications

### 1.1.1 Vision

Display type : LCD
Screen size : 32” (82 cm), 16:9
: 37” (94 cm), 16:9
: 42” (107 cm), 16:9
Resolution (HxV pixels) : 32”: 1366(*3)x768
: 37”: 1920(*3)x1080
: 42”: 1366(*3)x768
Light output (cd/m$^2$) : 550
Viewing angle (HxV degrees) : 176
Tuning system : PLL
Colour systems : PAL B/G, D/K, I
: SECAM B/G, D/K, L/L’
Supported computer formats (60 Hz) : 640x480
: 800x600
: 1024x768
Supported video formats : 640x480i - 1fH
: 720x576i - 1fH
: 640x480p - 2fH
: 720x576p - 2fH
: 1920x1080i - 2fH
: 1280x720p - 3fH
AV (playback only) : NTSC, PAL, SECAM
Tuner bands : UHF, VHF, S, Hyper

### 1.1.2 Sound

Sound systems : AV stereo,
: 2CS B/G, D/K
: NIC. B/G, D/K, I, L/L’
Maximum power (W$_{RMS}$) : 2 x 15
: 2 x 12 + 1 x 24 (42PF9831/69)

### 1.1.3 Multimedia

Supported digital media (only in sets equipped with memory card slot) : Compact Flash I & II
: Memory Stick
: Microdrive
: SD Card
: Multi Media Card
: Smart Media Card

Supported file formats : JPEG
: MP3
: Slideshow (.alb)
: DivX 3.11 and 5 (only 32PF9731D/10, 37” and 42”)
: MPEG1, 2
: MPEG4 (only 32PF9731D/10, 37” and 42”)
: XviD (only 32PF9731D/10, 37” and 42”)

USB input : USB2.0

Multimedia connections : 7-in-1 Memory Card Reader (only 37” and some 42” sets)

Multimedia connections (37PF9731D/10 and 42PF9731D/10) : Ethernet-UTP5
: UPnP
: WiFi (opt. ethernet-bridge)

### 1.1.4 Miscellaneous

Power supply:
- Mains voltage (V$_{AC}$) : 220 - 240
- Mains frequency (Hz) : 50 / 60

Ambient conditions:
- Temperature range (°C) : +5 to +40
- Maximum humidity : 90% R.H.

Power consumption (values are indicative)
- Normal operation (W) : 32”: 163
: 37”: 185
: 42”: 248
- Standby (W) : < 2

Dimensions (WxHxD cm)
- 32PF9531/10 and 32PF9631D/10 : 935x516x120
- 32PF9731D/10 : 869x625x114
- 37PF9731/69 and 37PF9731D/10 : 991x707x114
- 42PF9641D/10 : t.b.f.
- 42PF9731D/10 : 1095x764x114
- 42PF9831/69 : 1279x872x114

Weight (kg)
- 32PF9531/10 and 32PF9631D/10 : 18.7
- 32PF9731D/10 : 20.4
- 37PF9731/69 and 37PF9731D/10 : 26
- 42PF9641D/10 : 31
- 42PF9731D/10 : 35
- 42PF9831/69 : 38

## 1.2 Connections

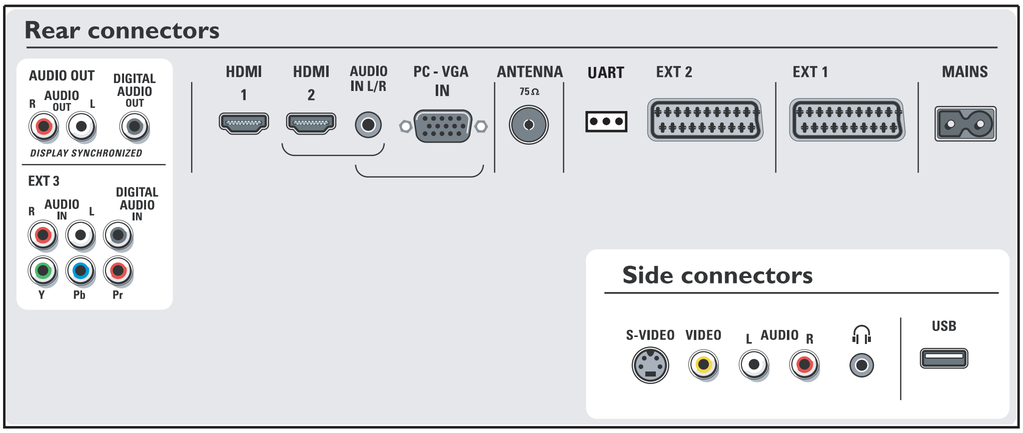
Rear connectors
AUDIO OUT
R AUDIO OUT L
DIGITAL AUDIO OUT
DISPLAY SYNCHRONIZED
EXT 3
R AUDIO IN L
DIGITAL AUDIO IN
Y
Pb
Pr
HDMI 1
HDMI 2
AUDIO IN L/R
PC - VGA IN
ANTENNA
75 Ω
UART
EXT 2
EXT 1
MAINS
Side connectors
S-VIDEO
VIDEO
L AUDIO R
USB

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**Figure 1-1 Connection overview 32PF9531/10**

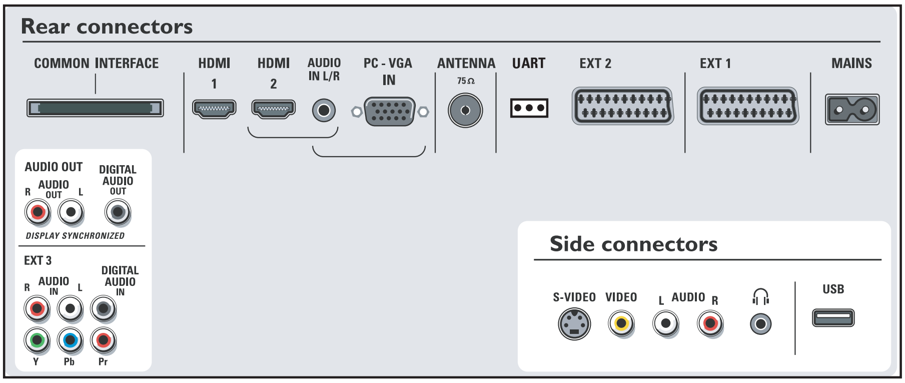
Rear connectors
COMMON INTERFACE
HDMI 1
HDMI 2
AUDIO IN L/R
PC - VGA IN
ANTENNA
75 Ω
UART
EXT 2
EXT 1
MAINS
AUDIO OUT
R AUDIO OUT L
DIGITAL AUDIO OUT
DISPLAY SYNCHRONIZED
EXT 3
R AUDIO IN L
DIGITAL AUDIO IN
Y
Pb
Pr
Side connectors
S-VIDEO
VIDEO
L AUDIO R
USB

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**Figure 1-2 Connection overview 32PF9631D/10**

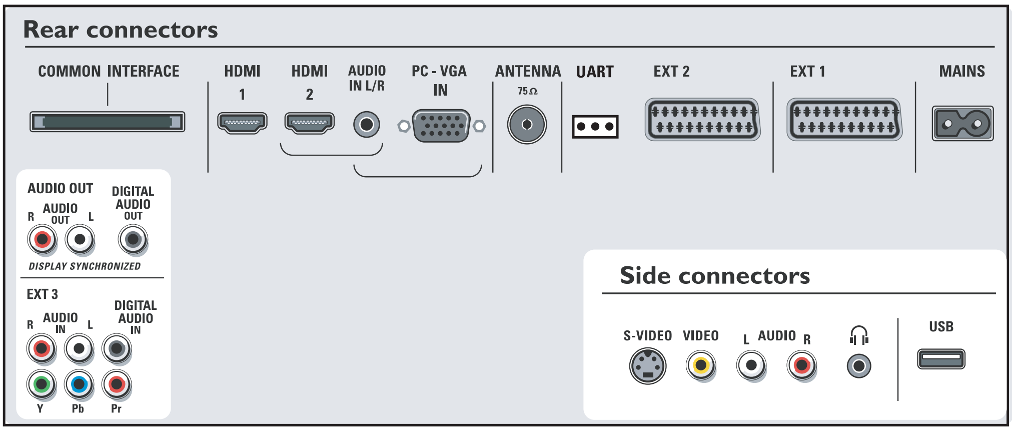
Rear connectors
COMMON INTERFACE
HDMI 1
HDMI 2
AUDIO IN L/R
PC - VGA IN
ANTENNA
75 Ω
UART
EXT 2
EXT 1
MAINS
AUDIO OUT
R AUDIO OUT L
DIGITAL AUDIO OUT
DISPLAY SYNCHRONIZED
EXT 3
R AUDIO IN L
DIGITAL AUDIO IN
Y
Pb
Pr
Side connectors
S-VIDEO
VIDEO
L AUDIO R
USB

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**Figure 1-3 Connection overview 32PF9731D/10**

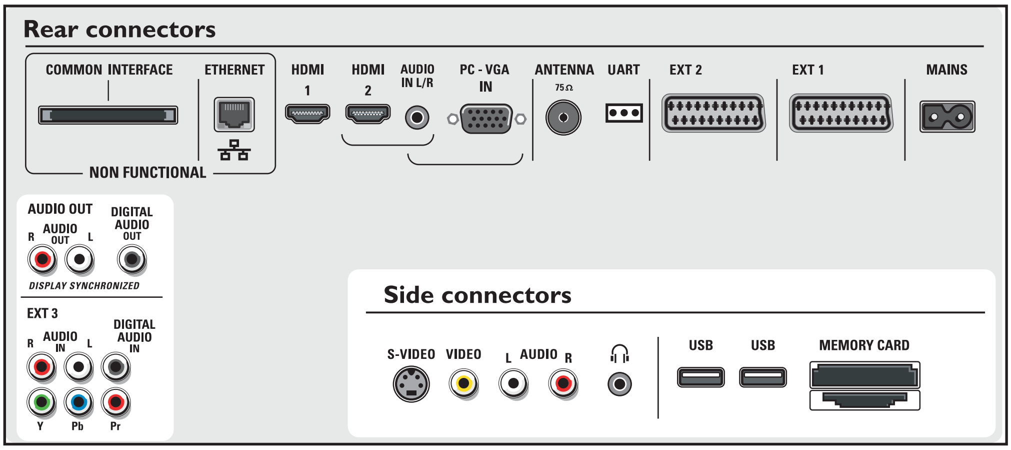
Rear connectors
COMMON INTERFACE
ETHERNET
NON FUNCTIONAL
HDMI 1
HDMI 2
AUDIO IN L/R
PC - VGA IN
ANTENNA 75 Ω
UART
EXT 2
EXT 1
MAINS
AUDIO OUT
R AUDIO OUT L
DIGITAL AUDIO OUT
DISPLAY SYNCHRONIZED
EXT 3
R AUDIO IN L
DIGITAL AUDIO IN
Y Pb Pr
Side connectors
S-VIDEO
VIDEO
L AUDIO R
USB
USB
MEMORY CARD

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Figure 1-4 Connection overview 37PF9731/69 & 42PF9831/69

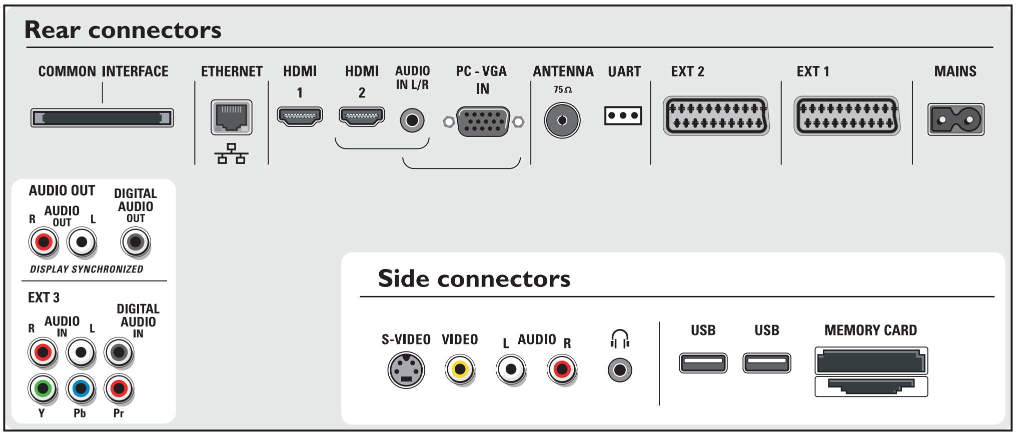
Rear connectors
COMMON INTERFACE
ETHERNET
HDMI 1
HDMI 2
AUDIO IN L/R
PC - VGA IN
ANTENNA 75 Ω
UART
EXT 2
EXT 1
MAINS
AUDIO OUT
R AUDIO OUT L
DIGITAL AUDIO OUT
DISPLAY SYNCHRONIZED
EXT 3
R AUDIO IN L
DIGITAL AUDIO IN
Y Pb Pr
Side connectors
S-VIDEO
VIDEO
L AUDIO R
USB
USB
MEMORY CARD

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Figure 1-5 Connection overview 37PF9731D/10 & 42PF9731D/10 & 42PF9831D/10

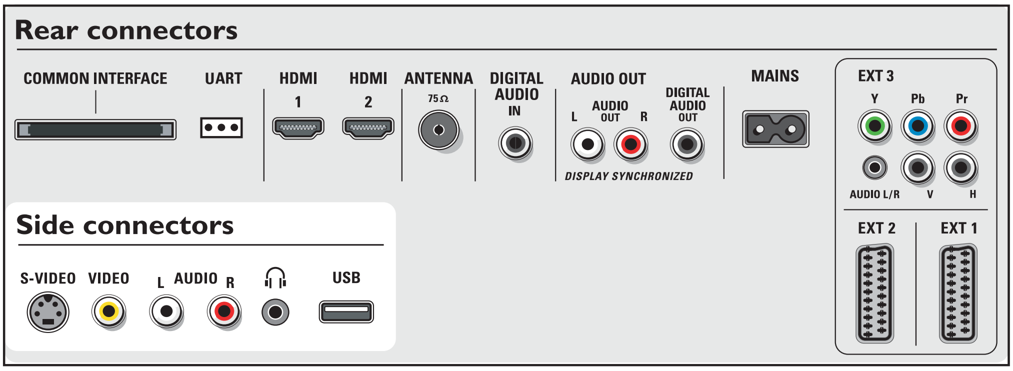
Rear connectors
COMMON INTERFACE
UART
HDMI 1
HDMI 2
ANTENNA 75 Ω
DIGITAL AUDIO IN
AUDIO OUT
L AUDIO OUT R
DIGITAL AUDIO OUT
DISPLAY SYNCHRONIZED
MAINS
EXT 3
Y Pb Pr
AUDIO L/R V H
EXT 2
EXT 1
Side connectors
S-VIDEO
VIDEO
L AUDIO R
USB

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Figure 1-6 Connection overview 42PF9641D/10

**Note:** The following connector colour abbreviations are used (acc. to DIN/IEC 757): Bk= Black, Bu= Blue, Gn= Green, Gy= Grey, Rd= Red, Wh= White, Ye= Yellow.

### 1.2.1 Side Connections

*Headphone (Output)*

| | | |
|---|---|---|
| Bk | - Headphone | 32 - 600 ohm / 10 mW |

*Cinch: Video CVBS - In, Audio - In*

| | | |
|---|---|---|
| Rd | - Audio R | 0.5 $V_{RMS}$ / 10 kohm |
| Wh | - Audio L | 0.5 $V_{RMS}$ / 10 kohm |
| Ye | - Video CVBS | 1 $V_{PP}$ / 75 ohm |

*S-Video (Hosiden): Video Y/C - In*

| | | | |
|---|---|---|---|
| 1 | - Ground Y | Gnd | ⏚ |
| 2 | - Ground C | Gnd | ⏚ |
| 3 | - Video Y | 1 $V_{PP}$ / 75 ohm | |
| 4 | - Video C | 0.3 $V_{PP}$P / 75 ohm | |

*USB2.0*

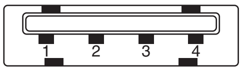

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**Figure 1-7 USB (type A)**

|  |  |  |  |
|---|---|---|---|
| 1 | - +5V |  | ○→ |
| 2 | - Data (-) |  | →○○→ |
| 3 | - Data (+) |  | →○○→ |
| 4 | - Ground | Gnd | ⏚ |

### 1.2.2 Rear Connections

***Common Interface***

|  |  |  |
|---|---|---|
| 68p | - See diagram B10A | →○○→ |

***RJ45: Ethernet (if present)***

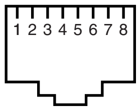

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**Figure 1-8 Ethernet connector**

|  |  |  |  |
|---|---|---|---|
| 1 | - TD+ | Transmit signal | ○→ |
| 2 | - TD- | Transmit signal | ○→ |
| 3 | - RD+ | Receive signal | →○ |
| 4 | - n.c. |  |  |
| 5 | - n.c. |  |  |
| 6 | - RD- | Receive signal | →○ |
| 7 | - n.c. |  |  |
| 8 | - n.c. |  |  |

***HDMI 1 & 2: Digital Video, Digital Audio - In***

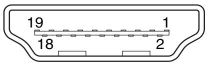

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**Figure 1-9 HDMI (type A) connector**

|  |  |  |  |
|---|---|---|---|
| 1 | - D2+ | Data channel | →○ |
| 2 | - Shield | Gnd | ⏚ |
| 3 | - D2- | Data channel | →○ |
| 4 | - D1+ | Data channel | →○ |
| 5 | - Shield | Gnd | ⏚ |
| 6 | - D1- | Data channel | →○ |
| 7 | - D0+ | Data channel | →○ |
| 8 | - Shield | Gnd | ⏚ |
| 9 | - D0- | Data channel | →○ |
| 10 | - CLK+ | Data channel | →○ |
| 11 | - Shield | Gnd | ⏚ |
| 12 | - CLK- | Data channel | →○ |
| 13 | - n.c. |  |  |
| 14 | - n.c. |  |  |
| 15 | - DDC_SCL | DDC clock | →○ |
| 16 | - DDC_SDA | DDC data | →○○→ |
| 17 | - Ground | Gnd | ⏚ |
| 18 | - +5V |  | →○ |
| 19 | - HPD | Hot Plug Detect | →○ |
| 20 | - Ground | Gnd | ⏚ |

***Cinch: Audio - In***

|  |  |  |  |
|---|---|---|---|
| Rd | - Audio - R | 0.5 $V_{RMS}$ / 10 kohm | ○→◎ |
| Wh | - Audio - L | 0.5 $V_{RMS}$ / 10 kohm | ○→◎ |

***VGA: Video RGB - In***

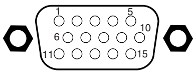

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**Figure 1-10 VGA Connector**

|  |  |  |  |
|---|---|---|---|
| 1 | - Video Red | 0.7 $V_{PP}$ / 75 ohm | →○ |
| 2 | - Video Green | 0.7 $V_{PP}$ / 75 ohm | →○ |
| 3 | - Video Blue | 0.7 $V_{PP}$ / 75 ohm | →○ |
| 4 | - n.c. |  |  |
| 5 | - Ground | Gnd | ⏚ |
| 6 | - Ground Red | Gnd | ⏚ |
| 7 | - Ground Green | Gnd | ⏚ |
| 8 | - Ground Blue | Gnd | ⏚ |
| 9 | - +5$V_{DC}$ | +5 V | →○ |
| 10 | - Ground Sync | Gnd | ⏚ |
| 11 | - n.c. |  |  |
| 12 | - DDC_SDA | DDC data | →○ |
| 13 | - H-sync | 0 - 5 V | →○ |
| 14 | - V-sync | 0 - 5 V | →○ |
| 15 | - DDC_SCL | DDC clock | →○ |

***Aerial - In***

|  |  |  |
|---|---|---|
| - IEC-type | Coax, 75 ohm | ⫪ |

***Digital Audio In: Cinch: S/PDIF - In***

|  |  |  |  |
|---|---|---|---|
| Bk | - Coaxial | 0.2 - 0.6$V_{PP}$ / 75 ohm | →○◎ |

***EXT2: Video RGB/YC - In, CVBS - In/Out, Audio - In/Out***

|  |  |  |  |
|---|---|---|---|
| 1 | - Audio R | 0.5 $V_{RMS}$ / 1 kohm | ○→ |
| 2 | - Audio R | 0.5 $V_{RMS}$ / 10 kohm | →○ |
| 3 | - Audio L | 0.5 $V_{RMS}$ / 1 kohm | ○→ |
| 4 | - Ground Audio | Gnd | ⏚ |
| 5 | - Ground Blue | Gnd | ⏚ |
| 6 | - Audio L | 0.5 $V_{RMS}$ / 10 kohm | →○ |
| 7 | - Video Blue/C-out | 0.7 $V_{PP}$ / 75 ohm | →○○→ |
| 8 | - Function Select | 0 - 2 V: INT<br>4.5 - 7 V: EXT 16:9<br>9.5 - 12 V: EXT 4:3 | →○ |
| 9 | - Ground Green | Gnd | ⏚ |
| 10 | - Easylink P50 | 0 - 5 V / 4.7 kohm | →○○→ |
| 11 | - Video Green/Y | 0.7 $V_{PP}$ / 75 ohm | →○ |
| 12 | - n.c. |  |  |
| 13 | - Ground Red | Gnd | ⏚ |
| 14 | - Ground P50 | Gnd | ⏚ |
| 15 | - Video Red/C | 0.7 $V_{PP}$ / 75 ohm | →○ |
| 16 | - Status/FBL | 0 - 0.4 V: INT<br>1 - 3 V: EXT / 75 ohm | →○ |
| 17 | - Ground Video | Gnd | ⏚ |
| 18 | - Ground FBL | Gnd | ⏚ |
| 19 | - Video CVBS | 1 $V_{PP}$ / 75 ohm | ○→ |
| 20 | - Video CVBS/Y | 1 $V_{PP}$ / 75 ohm | →○ |
| 21 | - Shield | Gnd | ⏚ |

### *EXT1: Video RGB - In, CVBS - In/Out, Audio - In/Out*

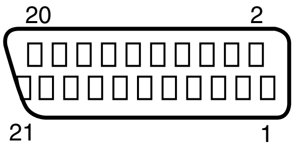

**Figure 1-11 SCART connector**

| | | | |
|---|---|---|---|
| 1 | - Audio R | 0.5 $V_{RMS}$ / 1 kohm | ○→ |
| 2 | - Audio R | 0.5 $V_{RMS}$ / 10 kohm | →○ |
| 3 | - Audio L | 0.5 $V_{RMS}$ / 1 kohm | ○→ |
| 4 | - Ground Audio | Gnd | ⏚ |
| 5 | - Ground Blue | Gnd | ⏚ |
| 6 | - Audio L | 0.5 $V_{RMS}$ / 10 kohm | →○ |
| 7 | - Video Blue | 0.7 $V_{PP}$ / 75 ohm | →○○→ |
| 8 | - Function Select | 0 - 2 V: INT<br>4.5 - 7 V: EXT 16:9<br>9.5 - 12 V: EXT 4:3 | →○ |
| 9 | - Ground Green | Gnd | ⏚ |
| 10 | - Easylink P50 | 0 - 5 V / 4.7 kohm | →○○→ |
| 11 | - Video Green | 0.7 $V_{PP}$ / 75 ohm | →○ |
| 12 | - n.c. | | |
| 13 | - Ground Red | Gnd | ⏚ |
| 14 | - Ground P50 | Gnd | ⏚ |
| 15 | - Video Red | 0.7 $V_{PP}$ / 75 ohm | →○ |
| 16 | - Status/FBL | 0 - 0.4 V: INT<br>1 - 3 V: EXT / 75 ohm | →○ |
| 17 | - Ground Video | Gnd | ⏚ |
| 18 | - Ground FBL | Gnd | ⏚ |
| 19 | - Video CVBS | 1 $V_{PP}$ / 75 ohm | ○→ |
| 20 | - Video CVBS | 1 $V_{PP}$ / 75 ohm | →○ |
| 21 | - Shield | Gnd | ⏚ |

### *Cinch: Audio - Out*

| | | | |
|---|---|---|---|
| Rd | - Audio - R | 0.5 $V_{RMS}$ / 10 kohm | ○→◎ |
| Wh | - Audio - L | 0.5 $V_{RMS}$ / 10 kohm | ○→◎ |

### *Digital Audio Out: Cinch: S/PDIF - Out*

| | | | |
|---|---|---|---|
| Bk | - Coaxial | 0.4 - 0.6$V_{PP}$ / 75 ohm | ○→◎ |

### *EXT3: Cinch: Audio - In*

| | | | |
|---|---|---|---|
| Rd | - Audio - R | 0.5 $V_{RMS}$ / 10 kohm | ○→◎ |
| Wh | - Audio - L | 0.5 $V_{RMS}$ / 10 kohm | ○→◎ |

### *EXT3: Digital Audio In: Cinch: S/PDIF - In*

| | | | |
|---|---|---|---|
| Bk | - Coaxial | 0.2 - 0.6$V_{PP}$ / 75 ohm | →○◎ |

### *EXT3: Cinch: Video YPbPr - In*

| | | | |
|---|---|---|---|
| Gn | - Video Y | 1 $V_{PP}$ / 75 ohm | →○◎ |
| Bu | - Video Pb | 0.7 $V_{PP}$ / 75 ohm | →○◎ |
| Rd | - Video Pr | 0.7 $V_{PP}$ / 75 ohm | →○◎ |

### *EXT3: Cinch: Video YPbPrHV- In*

| | | | |
|---|---|---|---|
| Gn | - Video Y | 1 $V_{PP}$ / 75 ohm | →○◎ |
| Bu | - Video Pb | 0.7 $V_{PP}$ / 75 ohm | →○◎ |
| Rd | - Video Pr | 0.7 $V_{PP}$ / 75 ohm | →○◎ |
| Bk | - H-sync | 0 - 5 V | →○◎ |
| Bk | - V-sync | 0 - 5 V | →○◎ |

### *EXT3: Mini Jack: Audio - In*

| | | | |
|---|---|---|---|
| Rd | - Audio R | 0.5 $V_{RMS}$ / 10 kohm | →○ |
| Wh | - Audio L | 0.5 $V_{RMS}$ / 10 kohm | →○ |

### *Service Connector (UART)*

| | | | |
|---|---|---|---|
| 1 | - UART_TX | Transmit | ○→ |
| 2 | - Ground | Gnd | ⏚ |
| 3 | - UART_RX | Receive | →○ |

## 1.3 Chassis Overview

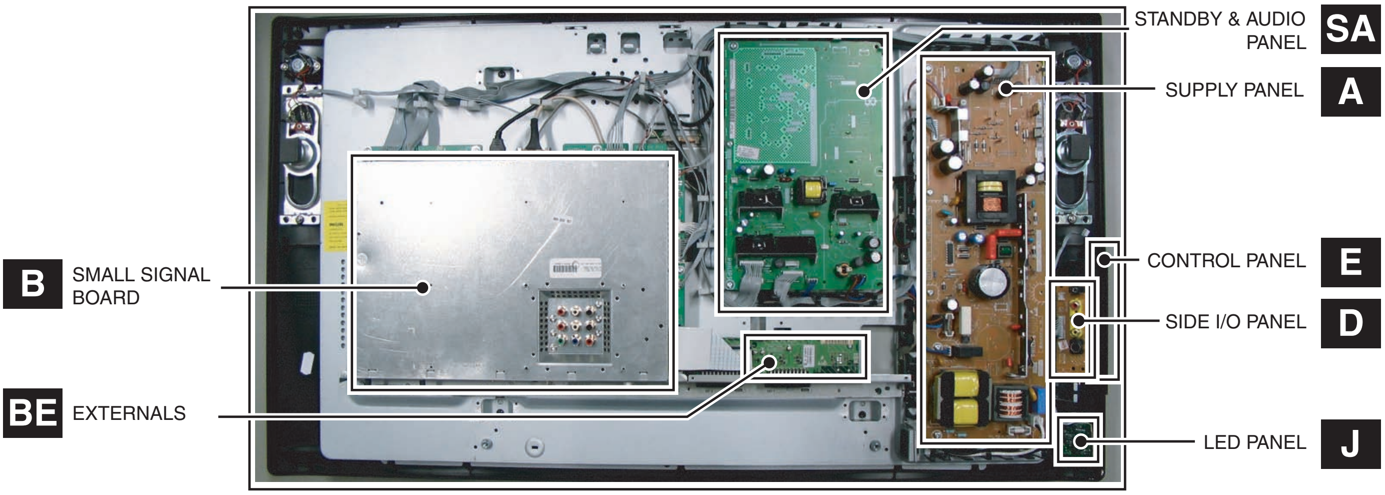
STANDBY & AUDIO PANEL
SA
SUPPLY PANEL
A
B
SMALL SIGNAL BOARD
CONTROL PANEL
E
SIDE I/O PANEL
D
BE
EXTERNALS
LED PANEL
J

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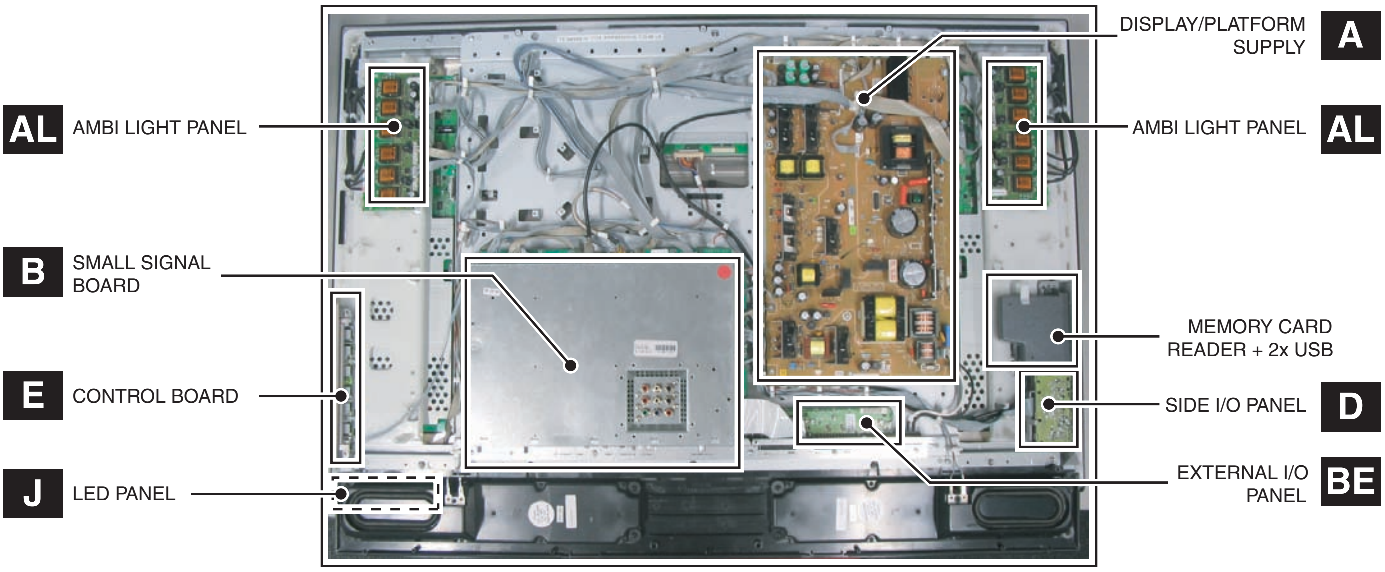
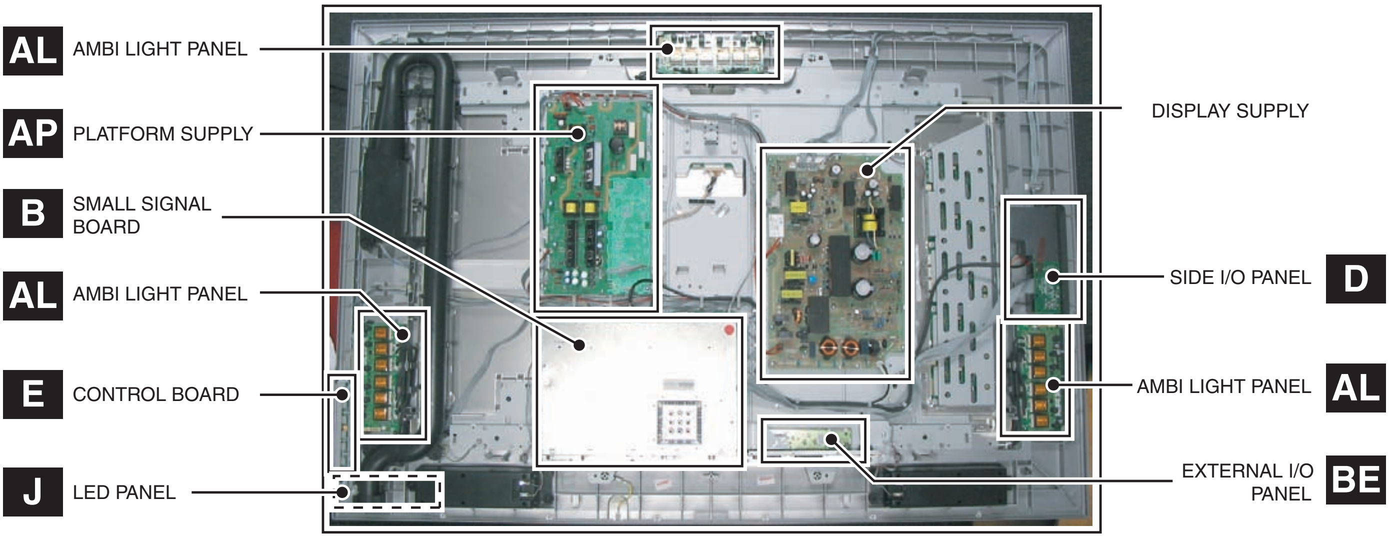
Figure 1-12 PWB/CBA locations ME6 styling (32PF9531/10 and 32PF9631D/10)


DISPLAY/PLATFORM SUPPLY
A
AL
AMBI LIGHT PANEL
AMBI LIGHT PANEL
AL
B
SMALL SIGNAL BOARD
MEMORY CARD READER + 2x USB
E
CONTROL BOARD
SIDE I/O PANEL
D
J
LED PANEL
EXTERNAL I/O PANEL
BE

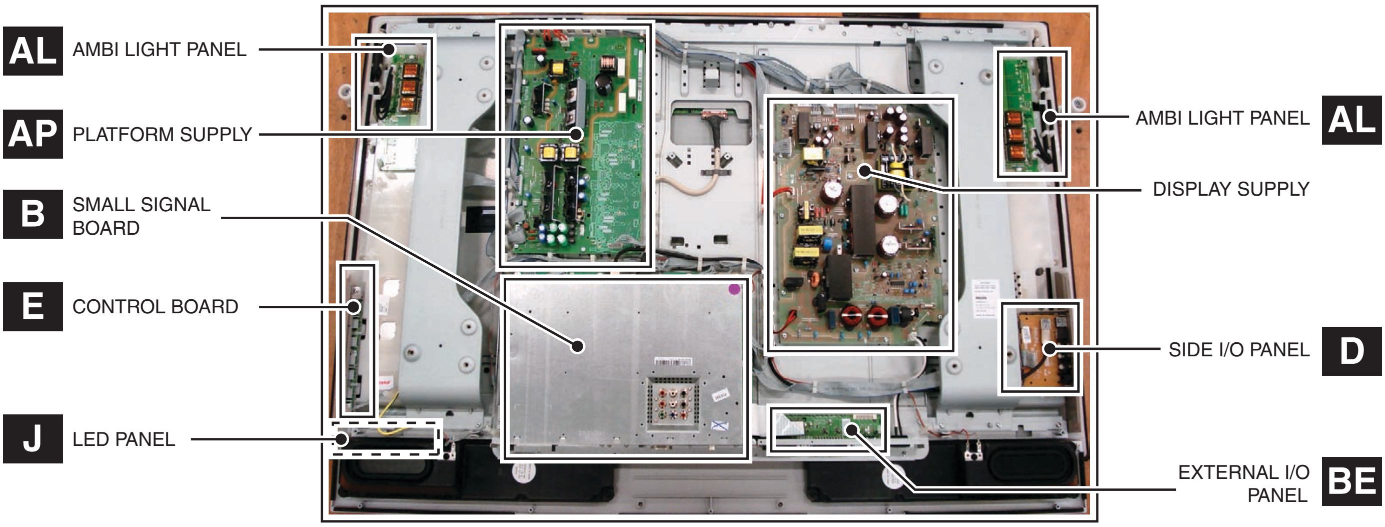
G_15960_143.eps
031106

Figure 1-13 PWB/CBA locations Top B styling (32PF9731D/10, 37PF9731/69, 37PF9731D/10 and 42PF9731D/10)


AL AMBI LIGHT PANEL
AP PLATFORM SUPPLY
B SMALL SIGNAL BOARD
AL AMBI LIGHT PANEL
E CONTROL BOARD
J LED PANEL
DISPLAY SUPPLY
SIDE I/O PANEL D
AMBI LIGHT PANEL AL
EXTERNAL I/O PANEL BE

G_15990_144.eps
021006

Figure 1-14 PWB/CBA locations Top A styling (42PF9831/69 and 42PF9831D/10)


AL AMBI LIGHT PANEL
AP PLATFORM SUPPLY
B SMALL SIGNAL BOARD
E CONTROL BOARD
J LED PANEL
AMBI LIGHT PANEL AL
DISPLAY SUPPLY
SIDE I/O PANEL D
EXTERNAL I/O PANEL BE

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031106

Figure 1-15 PWB/CBA locations Step 2k6 styling (42PF9641D/10)

# 2. Safety Instructions, Warnings, and Notes

**Index of this chapter:**

2.1 Safety Instructions
2.2 Warnings
2.3 Notes

## 2.1 Safety Instructions

Safety regulations require the following **during** a repair:

- Connect the set to the Mains/AC Power via an isolation transformer (> 800 VA).
- Replace safety components, indicated by the symbol ⚠, only by components identical to the original ones. Any other component substitution (other than original type) may increase risk of fire or electrical shock hazard.

Safety regulations require that **after** a repair, the set must be returned in its original condition. Pay in particular attention to the following points:

- Route the wire trees correctly and fix them with the mounted cable clamps.
- Check the insulation of the Mains/AC Power lead for external damage.
- Check the strain relief of the Mains/AC Power cord for proper function.
- Check the electrical DC resistance between the Mains/AC Power plug and the secondary side (only for sets that have a Mains/AC Power isolated power supply):
  1. Unplug the Mains/AC Power cord and connect a wire between the two pins of the Mains/AC Power plug.
  2. Set the Mains/AC Power switch to the "on" position (keep the Mains/AC Power cord unplugged!).
  3. Measure the resistance value between the pins of the Mains/AC Power plug and the metal shielding of the tuner or the aerial connection on the set. The reading should be between 4.5 Mohm and 12 Mohm.
  4. Switch "off" the set, and remove the wire between the two pins of the Mains/AC Power plug.
- Check the cabinet for defects, to prevent touching of any inner parts by the customer.

## 2.2 Warnings

- All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD ⚠). Careless handling during repair can reduce life drastically. Make sure that, during repair, you are connected with the same potential as the mass of the set by a wristband with resistance. Keep components and tools also at this same potential. Available ESD protection equipment:
  – Complete kit ESD3 (small tablemat, wristband, connection box, extension cable and earth cable) 4822 310 10671.
  – Wristband tester 4822 344 13999.
- Be careful during measurements in the high voltage section.
- Never replace modules or other components while the unit is switched "on".
- When you align the set, use plastic rather than metal tools. This will prevent any short circuits and the danger of a circuit becoming unstable.

## 2.3 Notes

### 2.3.1 General

- Measure the voltages and waveforms with regard to the chassis (= tuner) ground (⏚), or hot ground (⏚), depending on the tested area of circuitry. The voltages and waveforms shown in the diagrams are indicative. Measure them in the Service Default Mode (see chapter 5) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz for PAL, or 61.25 MHz for NTSC (channel 3).
- Where necessary, measure the waveforms and voltages with (╦) and without (⋇) aerial signal. Measure the voltages in the power supply section both in normal operation (⏽) and in stand-by (⏻). These values are indicated by means of the appropriate symbols.
- The semiconductors indicated in the circuit diagram and in the parts lists, are interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.
- Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic” and the “double-D symbol”, are trademarks of Dolby Laboratories.

### 2.3.2 Schematic Notes

- All resistor values are in ohms, and the value multiplier is often used to indicate the decimal point location (e.g. 2K2 indicates 2.2 kohm).
- Resistor values with no multiplier may be indicated with either an "E" or an "R" (e.g. 220E or 220R indicates 220 ohm).
- All capacitor values are given in micro-farads ($\mu$= x$10^{-6}$), nano-farads (n= x$10^{-9}$), or pico-farads (p= x$10^{-12}$).
- Capacitor values may also use the value multiplier as the decimal point indication (e.g. 2p2 indicates 2.2 pF).
- An "asterisk" (*) indicates component usage varies. Refer to the diversity tables for the correct values.
- The correct component values are listed in the Spare Parts List. Therefore, always check this list when there is any doubt.

### 2.3.3 Rework on BGA (Ball Grid Array) ICs

***General***

Although (LF)BGA assembly yields are very high, there may still be a requirement for component rework. By rework, we mean the process of removing the component from the PWB and replacing it with a new component. If an (LF)BGA is removed from a PWB, the solder balls of the component are deformed drastically so the removed (LF)BGA has to be discarded.

***Device Removal***

As is the case with any component that, is being removed, it is essential when removing an (LF)BGA, that the board, tracks, solder lands, or surrounding components are not damaged. To remove an (LF)BGA, the board must be uniformly heated to a temperature close to the reflow soldering temperature. A uniform temperature reduces the risk of warping the PWB.
To do this, we recommend that the board is heated until it is certain that all the joints are molten. Then carefully pull the component off the board with a vacuum nozzle. For the appropriate temperature profiles, see the IC data sheet.

***Area Preparation***

When the component has been removed, the vacant IC area must be cleaned before replacing the (LF)BGA.
Removing an IC often leaves varying amounts of solder on the mounting lands. This excessive solder can be removed with either a solder sucker or solder wick. The remaining flux can be removed with a brush and cleaning agent.
After the board is properly cleaned and inspected, apply flux on the solder lands and on the connection balls of the (LF)BGA.
**Note:** Do not apply solder paste, as this has been shown to result in problems during re-soldering.

***Device Replacement***

The last step in the repair process is to solder the new component on the board. Ideally, the (LF)BGA should be aligned under a microscope or magnifying glass. If this is not possible, try to align the (LF)BGA with any board markers. So as not to damage neighbouring components, it may be necessary to reduce some temperatures and times.

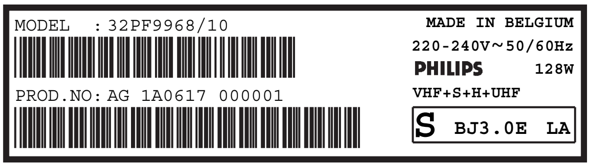
***More Information***

For more information on how to handle BGA devices, visit this URL: *www.atyourservice.ce.philips.com* (needs subscription, not available for all regions). After login, select “Magazine”, then go to “Repair downloads”. Here you will find Information on how to deal with BGA-ICs.

### 2.3.4 Lead-free Solder

Philips CE is producing lead-free sets (PBF) from 1.1.2005 onwards.

**Identification:** The bottom line of a type plate gives a 14-digit serial number. Digits 5 and 6 refer to the production year, digits 7 and 8 refer to production week (in example below it is 2006 week 17).



MODEL : 32PF9968/10
MADE IN BELGIUM
220-240V~50/60Hz
PHILIPS 128W
PROD.NO: AG 1A0617 000001
VHF+S+H+UHF
S BJ3.0E LA

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130606

**Figure 2-1 Serial number example**

Regardless of the special lead-free logo (which is not always indicated), one must treat all sets from this date onwards according to the rules as described below.

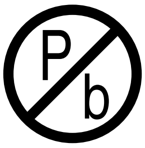

**Figure 2-2 Lead-free logo**

Due to lead-free technology some rules have to be respected by the workshop during a repair:

- Use only lead-free soldering tin Philips SAC305 with order code 0622 149 00106. If lead-free solder paste is required, please contact the manufacturer of your soldering equipment. In general, use of solder paste within workshops should be avoided because paste is not easy to store and to handle.
- Use only adequate solder tools applicable for lead-free soldering tin. The solder tool must be able:
  - To reach a solder-tip temperature of at least 400°C.
  - To stabilise the adjusted temperature at the solder-tip.
  - To exchange solder-tips for different applications.
- Adjust your solder tool so that a temperature of around 360°C - 380°C is reached and stabilised at the solder joint. Heating time of the solder-joint should not exceed ~ 4 sec. Avoid temperatures above 400°C, otherwise wear-out of tips will increase drastically and flux-fluid will be destroyed. To avoid wear-out of tips, switch “off” unused equipment or reduce heat.
- Mix of lead-free soldering tin/parts with leaded soldering tin/parts is possible but PHILIPS recommends strongly **to avoid** mixed regimes. If this cannot be avoided, carefully clear the solder-joint from old tin and re-solder with new tin.
- Use only original spare-parts listed in the Service-Manuals. Not listed standard material (commodities) has to be purchased at external companies.
- Special information for lead-free BGA ICs: these ICs will be delivered in so-called "dry-packaging" to protect the IC against moisture. This packaging may only be opened shortly before it is used (soldered). Otherwise the body of the IC gets "wet" inside and during the heating time the structure of the IC will be destroyed due to high (steam-) pressure inside the body. If the packaging was opened before usage, the IC has to be heated up for some hours (around 90°C) for drying (think of ESD-protection!). **Do not re-use BGAs at all**!
- For sets produced before 1.1.2005, containing leaded soldering tin and components, all needed spare parts will be available till the end of the service period. For the repair of such sets nothing changes.

In case of doubt whether the board is lead-free or not (or with mixed technologies), you can use the following method:

- Always use the highest temperature to solder, when using SAC305 (see also instructions below).
- De-solder thoroughly (clean solder joints to avoid mix of two alloys).

**Caution:** For BGA-ICs, you **must** use the correct temperature-profile, which is coupled to the 12NC. For an overview of these profiles, visit the website *www.atyourservice.ce.philips.com* (needs subscription, but is not available for all regions)
You will find this and more technical information within the "Magazine", chapter "Repair downloads".
For additional questions please contact your local repair help desk.

### 2.3.5 Alternative BOM identification

In September 2003, Philips CE introduced a change in the way the serial number (or production number, see Figure 2-1) is composed. From this date on, the **third digit** in the serial number (example: AG**2**B0335000001) indicates the number of the alternative BOM (Bill of Materials used for producing the specific model of TV set). It is possible that the same TV model on the market is produced with e.g. two different types of displays, coming from two different O.E.M.s.
By looking at the third digit of the serial number, the service technician can see if there is more than one type of B.O.M. used in the production of the TV set he is working with. He can then consult the At Your Service Web site, where he can type in the Commercial Type Version Number of the TV set (e.g. 28PW9515/12), after which a screen will appear that gives information about the number of alternative B.O.M.s used.
If the third digit of the serial number contains the number 1 (example: AG**1**B033500001), then there is only one B.O.M. version of the TV set on the market. If the third digit is a 2 (example: AG**2**B0335000001), then there are two different B.O.M.s. ***Information about this is important for ordering the correct spare parts!***
For the third digit, the numbers 1...9 and the characters A...Z can be used, so in total: 9 plus 26 = 35 different B.O.M.s can be indicated by the third digit of the serial number.

### 2.3.6 Practical Service Precautions

- **It makes sense to avoid exposure to electrical shock.** While some sources are expected to have a possible dangerous impact, others of quite high potential are of limited current and are sometimes held in less regard.
- **Always respect voltages**. While some may not be dangerous in themselves, they can cause unexpected reactions that are best avoided. Before reaching into a powered TV set, it is best to test the high voltage insulation. It is easy to do, and is a good service precaution.

# 3. Directions for Use

You can download this information from the following websites:
http://www.philips.com/support
http://www.p4c.philips.com

# 4. Mechanical Instructions

**Index of this chapter:**

4.1 Cable Dressing
4.2 Service Positions
4.3 Assy/Panel Removal “ME6” styling
4.5 Assy/Panel Removal “Top A” styling
4.4 Assy/Panel Removal “Top B” styling
4.6 Assy/Panel Removal “Step 2k6” styling
4.7 Set Re-assembly

**Notes:**

- Figures below can deviate slightly from the actual situation, due to the different set executions.
- Follow the disassemble instructions in described order.

This chassis comes with four different stylings:

- “ME6”, for type numbers 32PF9531/10 and 32PF9631D/10
- “Top B”, for type numbers 32PF9731D/10, 37PF9731/69, 37PF9731D/10 and 42PF9731D/10
- “Top A”, for type numbers 42PF9831/69 and 42PF9831D/10.
- “Step 2k6”, for type number 42PF9641D/10.

The mechanical instructions for the different stylings are described separately in this chapter.

## 4.1 Cable Dressing

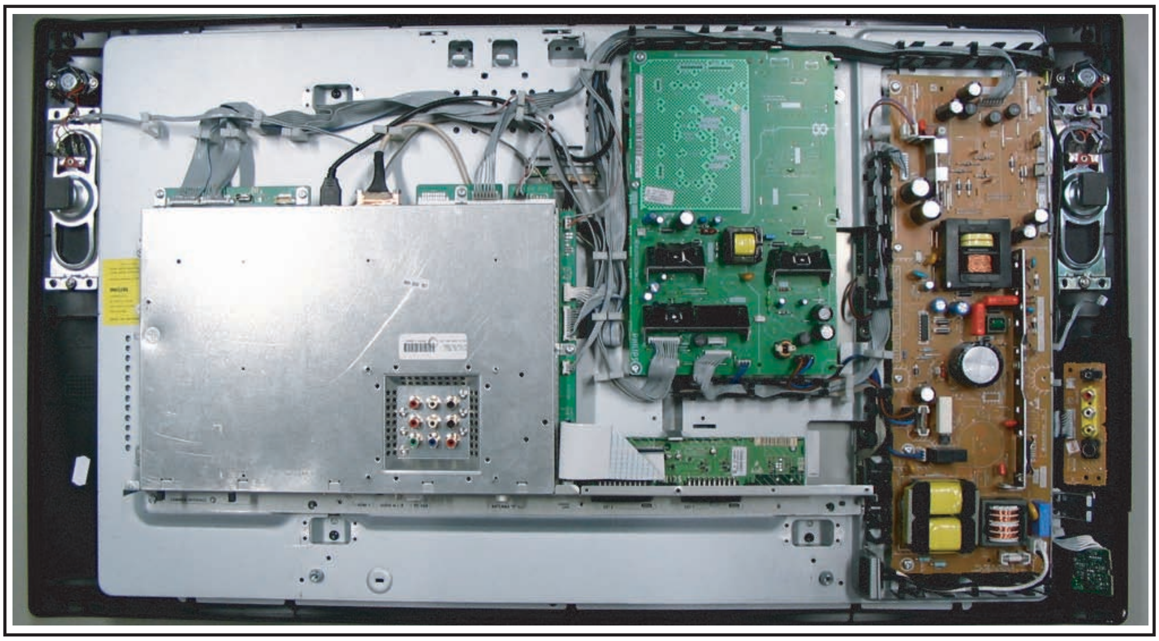

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Figure 4-1 Cable dressing ME6 styling (32PF9531/10 and 32PF9631D/10)

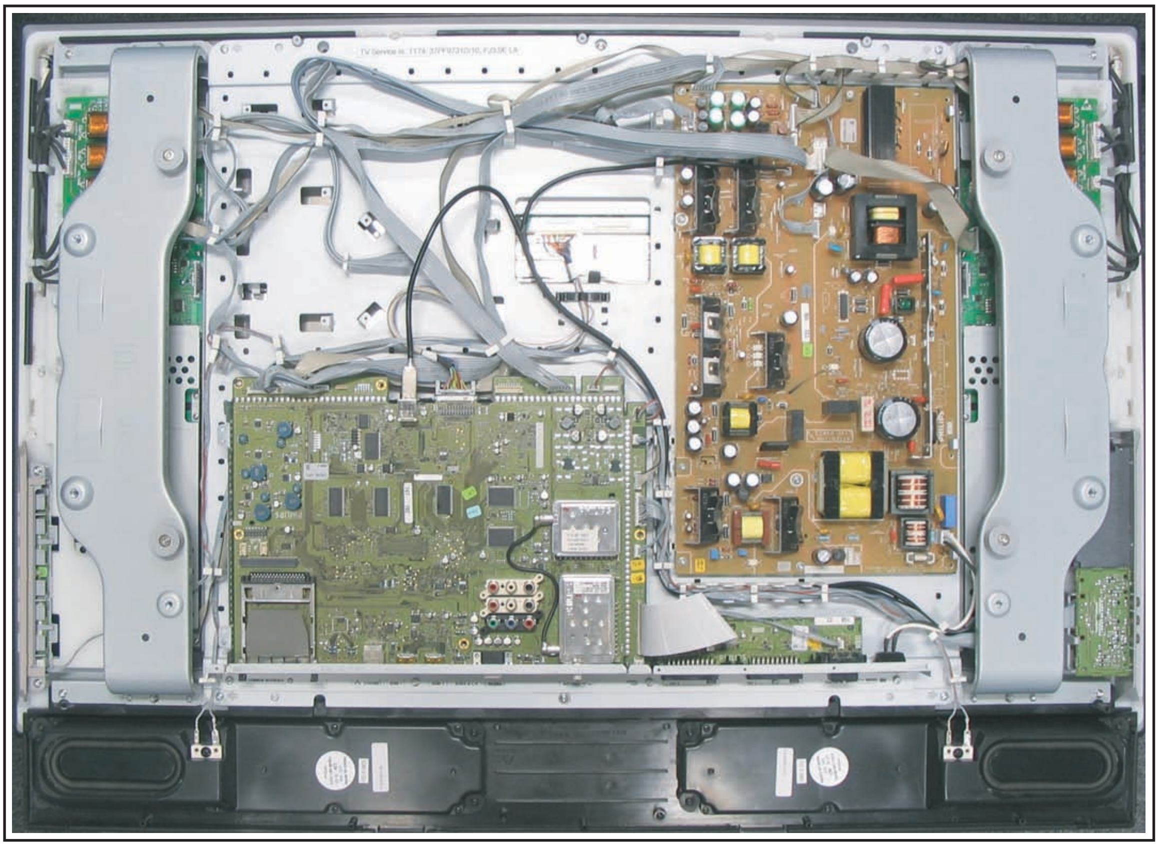

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Figure 4-2 Cable dressing Top B styling (32PF9731D/10, 37PF9731/69, 37PF9731D/10 and 42PF9731D/10)

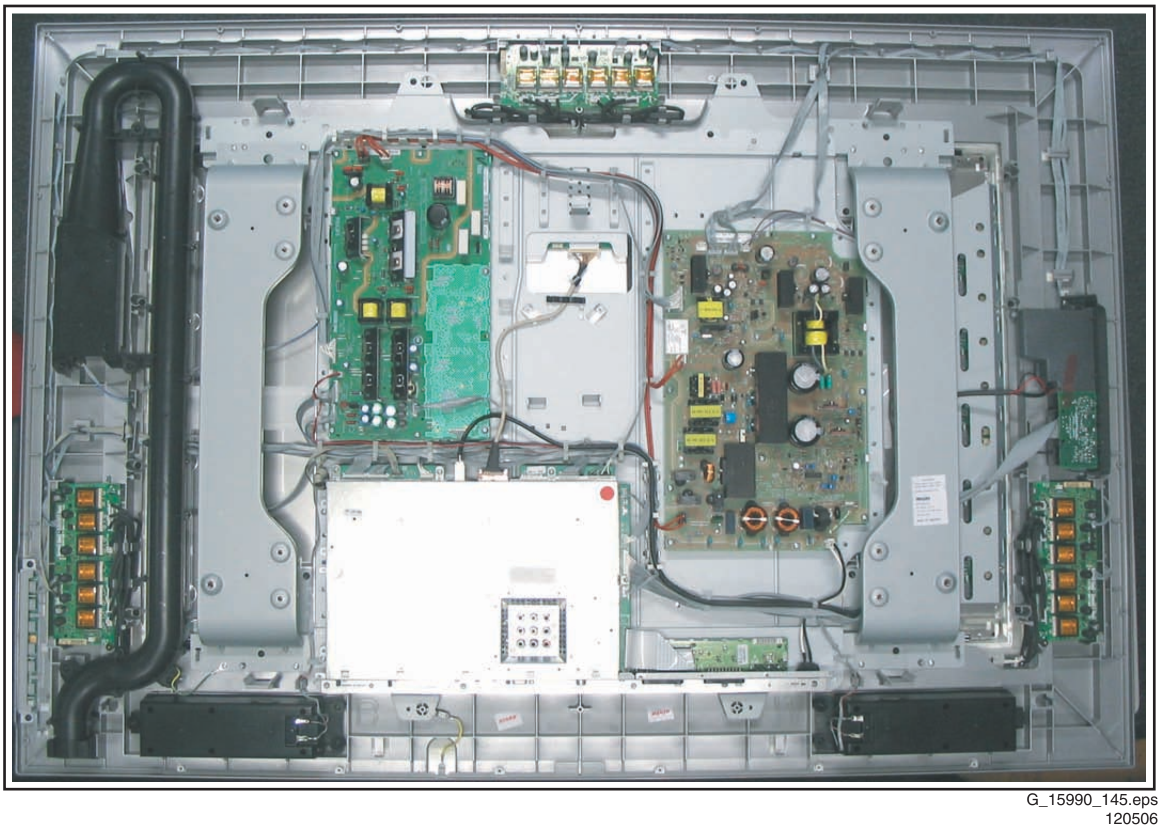

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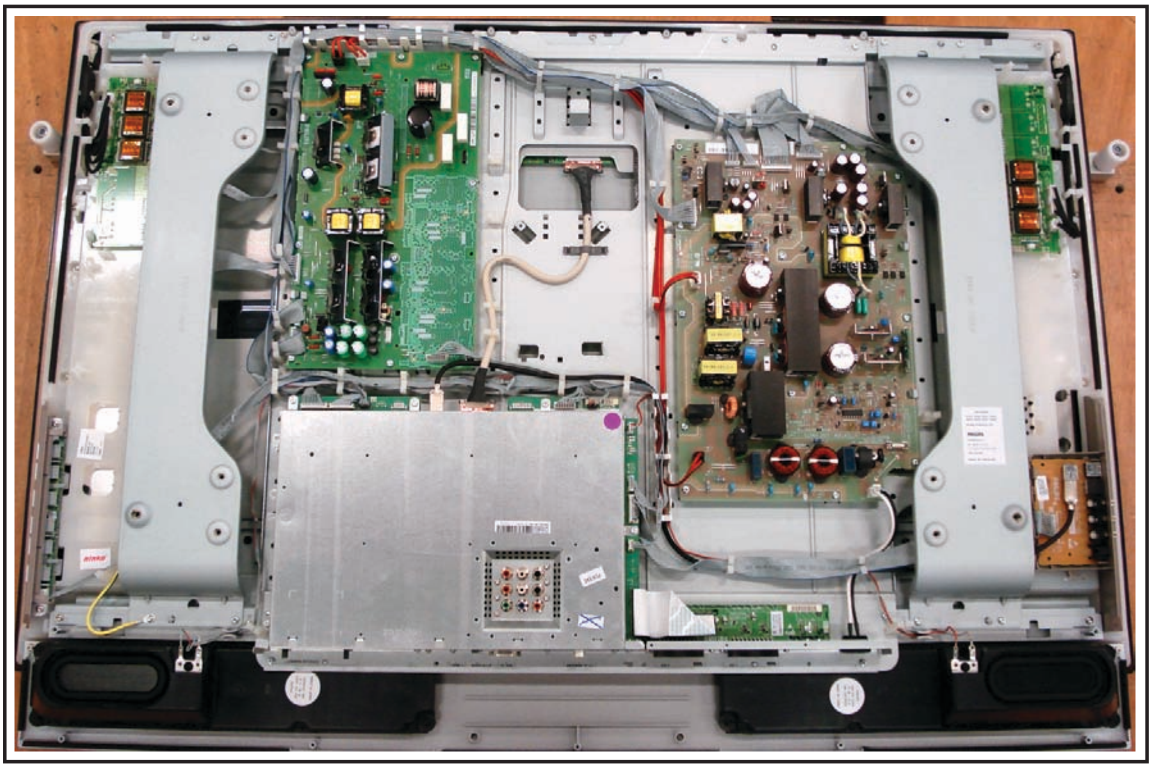
Figure 4-3 Cable dressing Top A styling (42PF9831/69 and 42PF9831D/10)



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021006

Figure 4-4 Cable dressing Step 2k6 styling (42PF9641D/10)

## 4.2 Service Positions

For easy servicing of this set, there are a few possibilities created:

- The buffers from the packaging.
- Foam bars (created for Service).
- Aluminium service stands (created for Service).

### 4.2.1 Foam Bars

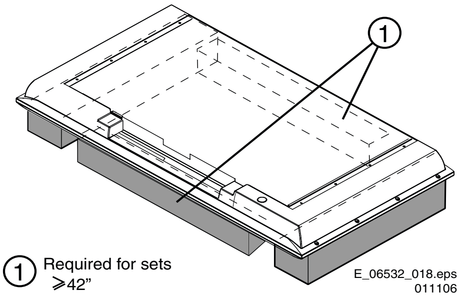

Figure 4-5 Foam bars

The foam bars (order code 3122 785 90580 for two pieces) can be used for all types and sizes of Flat TVs. Sets with a display of 42” and larger, require **four** foam bars [1].
**Caution:** Ensure that the foam bars are always supporting the cabinet and **never** only the display.
By laying the TV face down on the (ESD protective) foam bars, a stable situation is created to perform measurements and alignments. By placing a mirror under the TV, you can monitor the screen.

### 4.2.2 Aluminium Stands

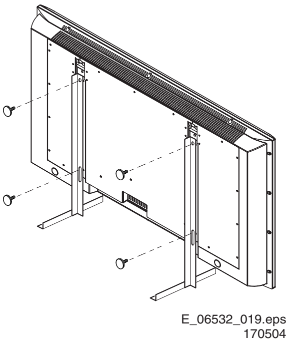

Figure 4-6 Aluminium stands (drawing of MkI)

The new MkII aluminium stands (not on drawing) with order code 3122 785 90690, can also be used to do measurements, alignments, and duration tests. The stands can be (dis)mounted quickly and easily by means of sliding them in/out of the "mushrooms". The new stands are backwards compatible with the earlier models.
**Important:** For (older) FTV sets without these "mushrooms", it is obligatory to use the provided screws, otherwise it is possible to damage parts inside the set !

## 4.3 Assy/Panel Removal “ME6” styling

### 4.3.1 Rear Cover

Disconnect the Mains/AC Power cord before you remove the rear cover!

1. Place the TV set upside down on a table top, using the foam bars (see part “Foam Bars”).
   **Caution:** do **not** put pressure on the display, but let the monitor lean on the Front cover.
2. Remove the stand by removing the tapping screws [1], that hold the stand.
3. Remove T10 tapping and parker screws [2] from the top, centre, bottom, left and right side of the Rear Cover and underneath the main I/O panel.
4. Lift the Rear Cover from the TV. Make sure that wires and flat foils are not damaged while lifting the rear cover.

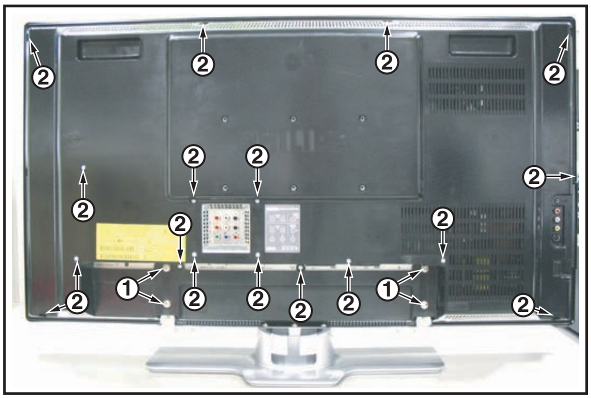

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Figure 4-7 Rear cover removal

### 4.3.2 VESA wall plate

The VESA wall mount plate can be removed by removing the T10 tapping screws [1] that hold the plate. See figure “VESA wall mount plate removal”.

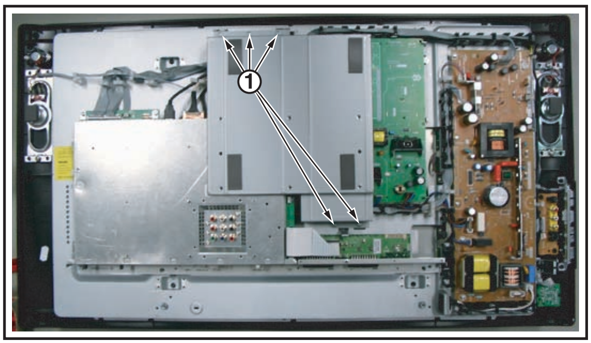

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Figure 4-8 VESA wall mount plate removal

### 4.3.3 Speaker

After removing the rear cover, you gain access to the speakers.
**Caution:** never disconnect the speakers with a playing set, because otherwise the class-D audio amplifiers could be damaged.

### 4.3.4 Control Panel

The Control Panel can be taken out by removing the two T10 screws [1] that hold the plastic frame. After the panel has been taken out, the connector can be released. See figure “Control Panel, LED Panel and Side I/O Panel removal”. When defective, replace the whole unit.

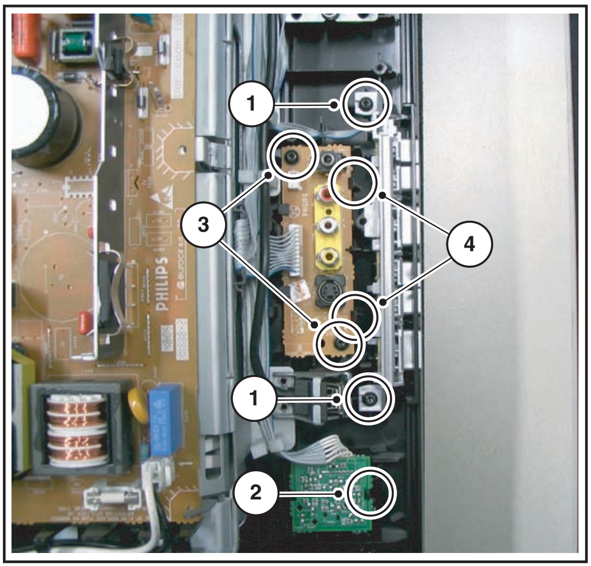

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Figure 4-9 Control panel, LED panel and side I/O panel removal

The assy is packed into a plastic frame. To take the assy out, lift the four clamps [1] of the frame and take the assy out. See Figure “Control panel assy removal”.

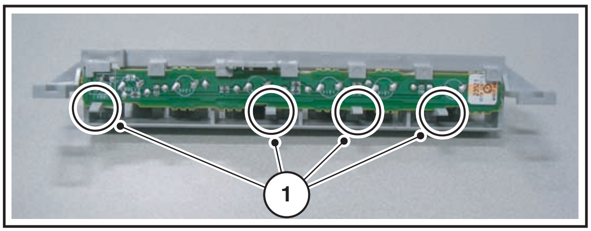

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Figure 4-10 Control panel assy removal

When defective, replace the whole unit.

### 4.3.5 LED Panel

The LED Panel can be removed by releasing clamp [2] that holds the assy. It hinges on the left side. See figure “Control Panel, LED Panel and Side I/O Panel removal”.
When defective, replace the whole unit.

### 4.3.6 Side I/O Panel

The Side I/O Panel can be removed together with its plastic frame. See figure “Control Panel, LED Panel and Side I/O Panel removal”.

1. Remove the T10 parker screws [3].
2. Push back the clamps [4] on the right side that hold the assy.
3. Take out the assy from the plastic frame, it hinges on the left side.

When defective, replace the whole unit.

### 4.3.7 Standby/Audio Panel

1. Disconnect all cables from the Standby/Audio Panel.
2. Remove T10 tapping screws [1] from the Standby/Audio Panel. See figure “Standby/Audio Panel removal”.
3. Take out the Standby/Audio Panel (it hinges at the right side).

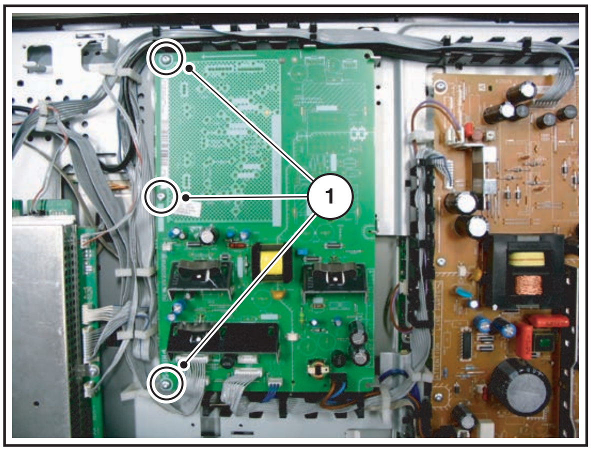

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Figure 4-11 Standby/Audio panel removal

### 4.3.8 External I/O SCART Panel

The External I/O SCART Panel can be taken out by removing the flat cable and removing the parker screws [1] on the SSB bottom shield that hold the assy. See figure “External I/O SCART Panel removal”.

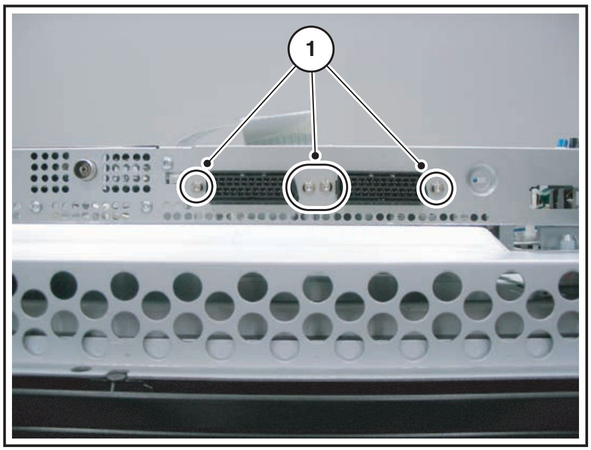

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Figure 4-12 External I/O SCART panel

### 4.3.9 Small Signal Board (SSB)

**Caution:** it is absolutely mandatory to remount all different screws at their original position during re-assembly. Failure to do so may result in damaging the SSB.

***Removal from the set***

The SSB can, together with the External I/O SCART Panel, be taken out of the set by removing the T10 tapping screw [1] on the left side of the panel. See “SSB top shielding”. The frame that holds the SSB and the External I/O SCART Panel hinges at the right side. Disconnect all cables from the SSB before lifting the frame from the set. This includes the USB plug and the fragile LVDS cable.

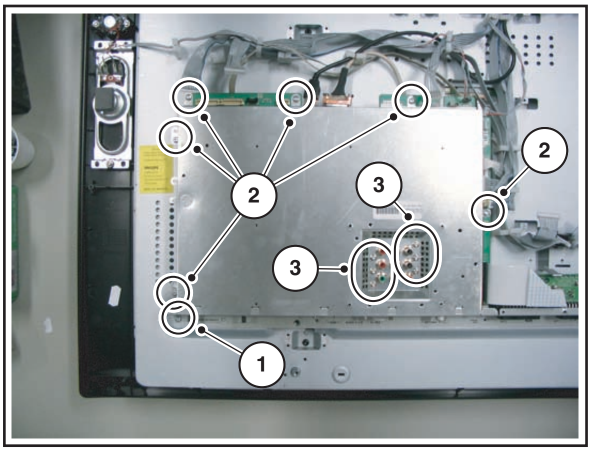

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Figure 4-13 SSB top shielding

***Removing the shielding***

1. Remove the T10 tapping screws [2] on the outer rim of the SSB top shielding.
2. Remove the T10 parker screws [3] around the External I/O SCART Panel.
3. Remove the T10 tapping screws [1] on the SSB bottom shielding. See figure “SSB bottom shielding” for details.

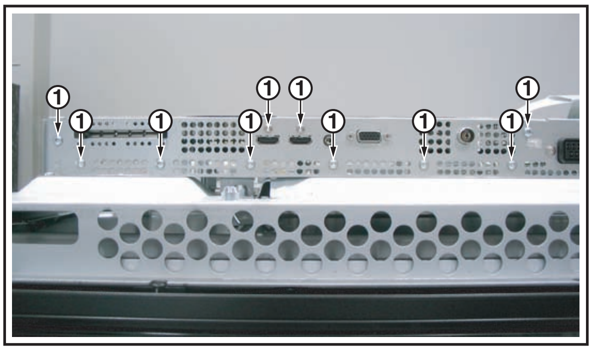

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Figure 4-14 SSB bottom shielding

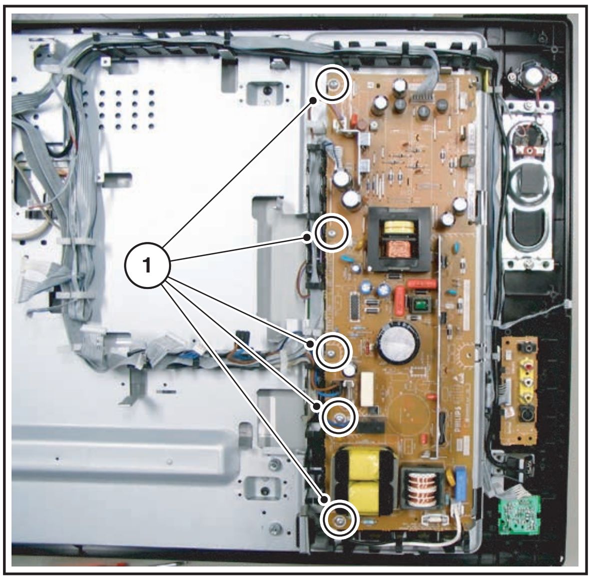
***Removing the SSB and External I/O Panel***

See figure “SSB and External I/O SCART Panel removal”.

- The SSB is mounted with 2 screws on the bottom shielding.
- The External I/O Panel is mounted with 4 screws on the bottom shielding.

### 4.3.10 Supply Panel

See figure “Supply Panel” for details.



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090506

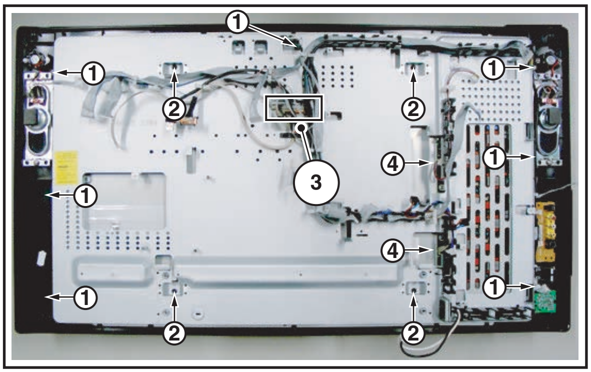
Figure 4-15 Supply panel

1. Remove the T10 tapping screws.
2. Unplug the cables.
3. Take the panel out (it hinges on the right side).

### 4.3.11 LCD Display Panel

For exchanging the LCD display, see figure “LCD Display Panel removal”.

1. Remove T10 parker screws [1], indicated with an arrow on the rim.
2. Remove T15 tapping screws [2].
3. Unplug the speaker cables.
4. Unplug the fragile LVDS connector.
5. Unplug the two connectors [4] on the LCD inverter panel.



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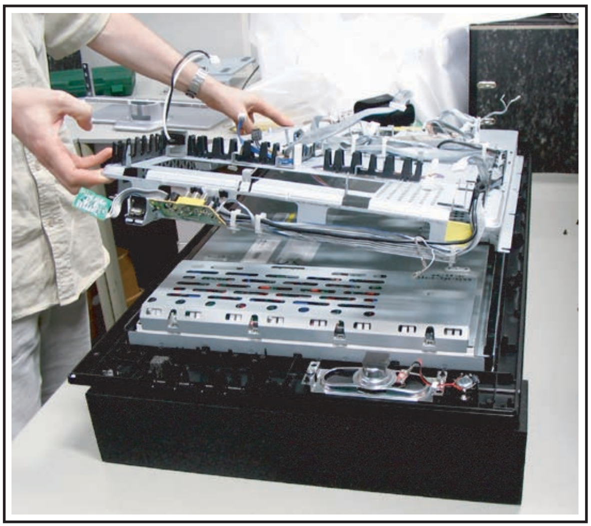
090506

Figure 4-16 LCD display panel removal

Now the subframe can be lifted, together with the Side I/O-, Side USB- and LED Panel. See figure “Subframe lift”. After that, the LCD Panel can be lifted from the set.



G_15990_101.eps
090506

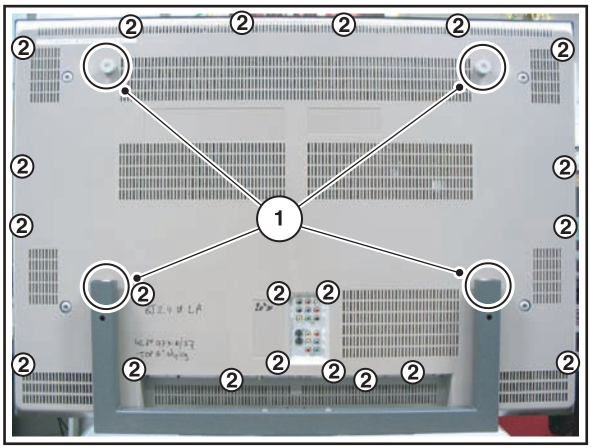
Figure 4-17 Subframe lift

## 4.4 Assy/Panel Removal “Top B” styling

### 4.4.1 Rear Cover

Disconnect the Mains/AC Power cord before you remove the rear cover!

1. Place the TV set upside down on a table top, using the foam bars (see part “Foam Bars”).
   **Caution:** do **not** put pressure on the display, but let the monitor lean on the front cover.
2. Remove the stand.
3. Remove mushrooms [1].
4. Remove screws [2].
5. Lift the Rear Cover from the TV. Make sure that wires and flat foils are not damaged while lifting the rear cover.



G_15990_182.eps
210706

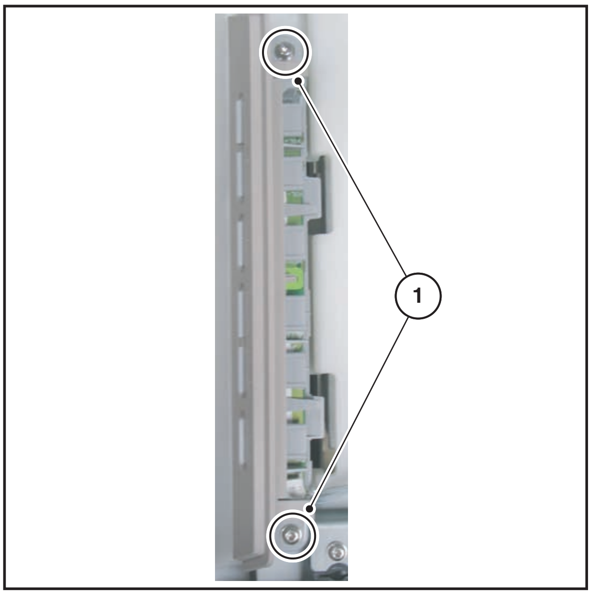
Figure 4-18 Rear cover removal

### 4.4.2 Speakers

After removing the rear cover, you gain access to the speakers. **Caution:** never disconnect the speakers with a playing set, because otherwise the class-D audio amplifiers could be damaged.

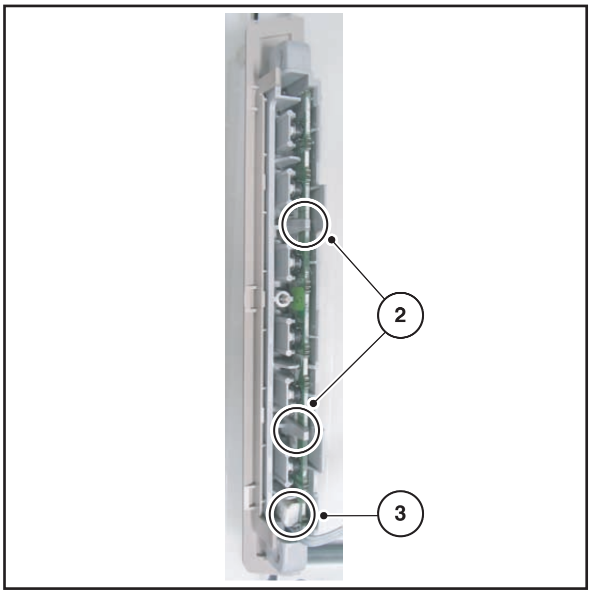
### 4.4.3 Keyboard Control Panel

1. Remove the rear cover, as described previously.
2. Remove screws [1].
3. Release clips [2] and slide the PWB out of the plastic casing.
4. Unplug connector [3].



G_15990_124.eps
110506

Figure 4-19 Keyboard control panel removal 1/2



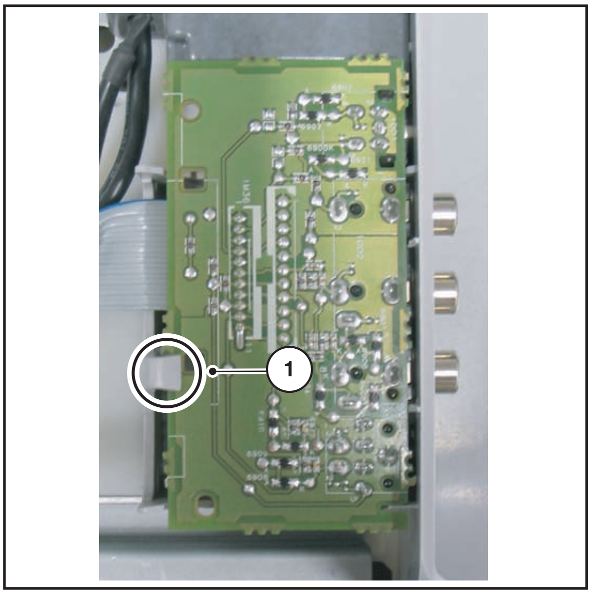
G_15990_125.eps
110506

Figure 4-20 Keyboard control panel removal 2/2

When defective, replace the whole unit.

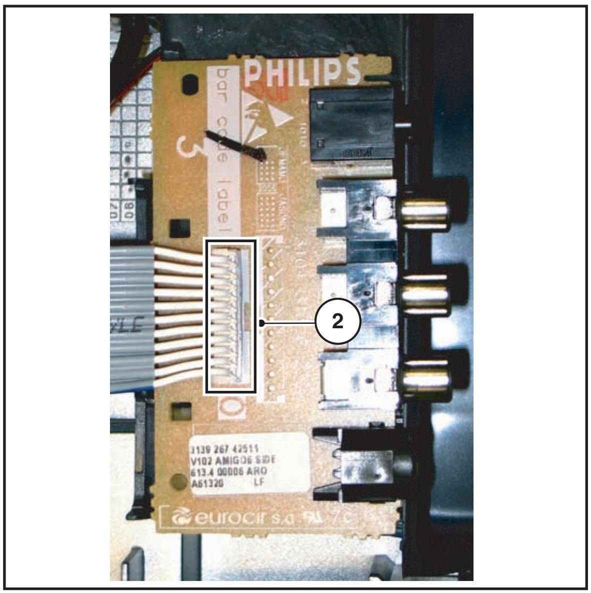
### 4.4.4 Side I/O Panel

1. Remove the rear cover, as described previously.
2. Release clamp [1] and slide the PWB out of its casing.
3. Unplug connector [2] from the panel.



G_15990_126.eps
110506

Figure 4-21 Side I/O panel 1/2

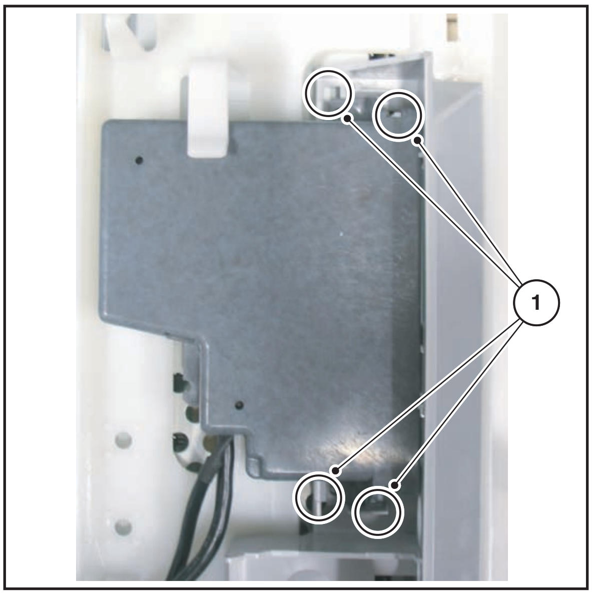

2
PHILIPS
3139 267 42511
V102 AMIGO6 SIDE
613.4 00006 ARO
A61320 LF
eurocir s.a

G_15990_127.eps
110506

Figure 4-22 Side I/O panel 2/2

### 4.4.5 Memory Card reader / USB connector

1. Remove the rear cover, as described previously.
2. Release clamps [1] and slide the unit out of its plastic frame.
3. Unplug the USB connector from the SSB panel, and the power cable from the PSU.

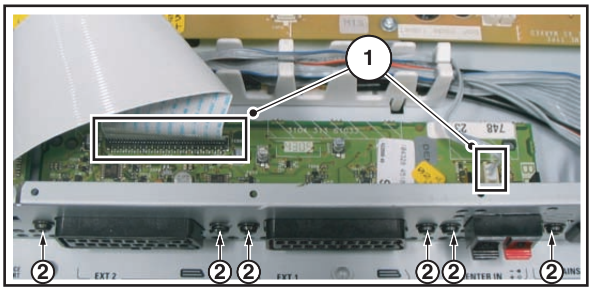


G_15990_128.eps
110506

Figure 4-23 Memory card reader / USB connector

### 4.4.6 External I/O SCART Panel

1. Remove the rear cover, as described previously.
2. Unplug connectors [1] from the panel.
3. Remove screws [2].


1
2
EXT 2
2
2
EXT 1
2
2
CENTER IN
2

G_15990_129.eps
110506

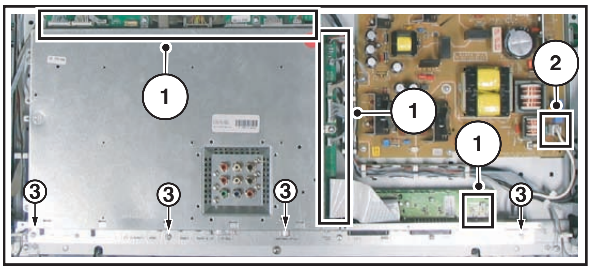
Figure 4-24 External I/O SCART panel

### 4.4.7 Small Signal Board (SSB)

**Caution:** it is absolutely mandatory to remount all different screws at their original position during re-assembly. Failure to do so may result in damaging the SSB.

*Removal from the set*

1. Remove the rear cover, as described previously.
2. Unplug all connectors [1] from the SSB panel.
3. Unplug connector [2] from the PSU.
4. Remove screws [3].
5. Take the complete SSB module out of the set and place it on a flat workbench.

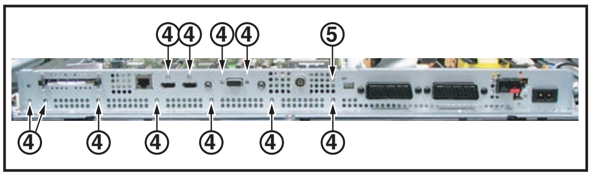


G_15990_130.eps
110506

Figure 4-25 SSB panel 1/4

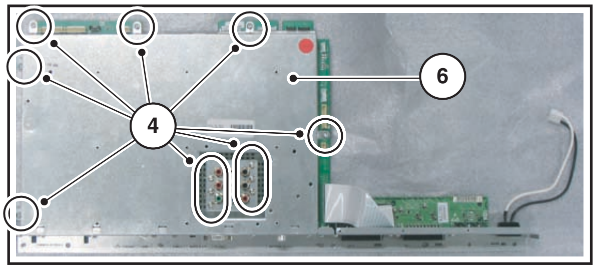
*Removing the shielding*

1. Remove screws [4] .
2. Remove the connector plate [5] and the top shielding [6].
3. Remove screws [7] and remove the SSB panel from the bottom shielding.



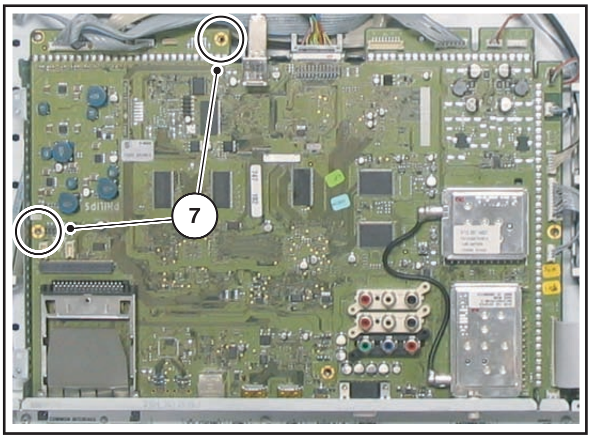
G_15990_131.eps
110506

Figure 4-26 SSB panel 2/4



G_15990_132.eps
110506

Figure 4-27 SSB panel 3/4

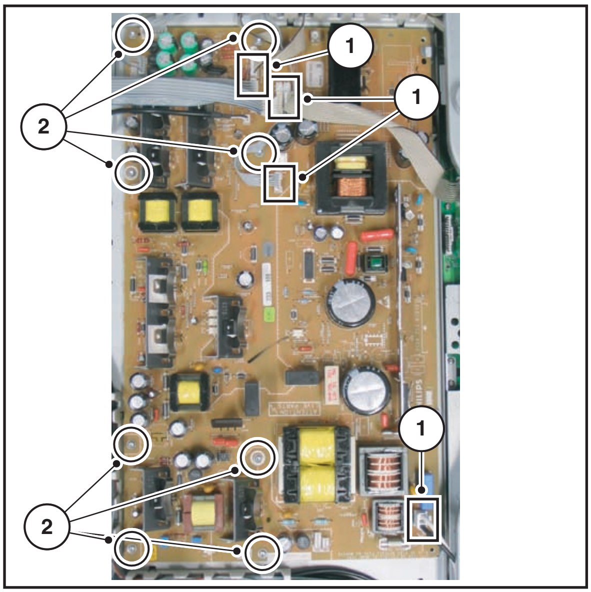


G_15990_133.eps
110506

Figure 4-28 SSB panel 4/4

### 4.4.8 Power Supply

1. Remove the rear cover, as described previously.
2. Unplug connectors [1] from the panel.
3. Remove screws [2].



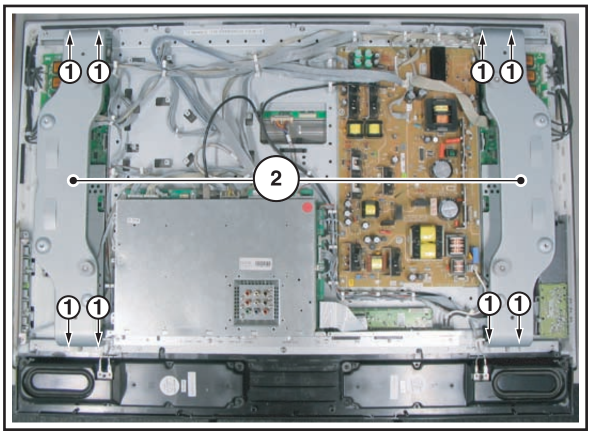
G_15990_134.eps
110506

Figure 4-29 Platform supply

### 4.4.9 LCD Display Panel

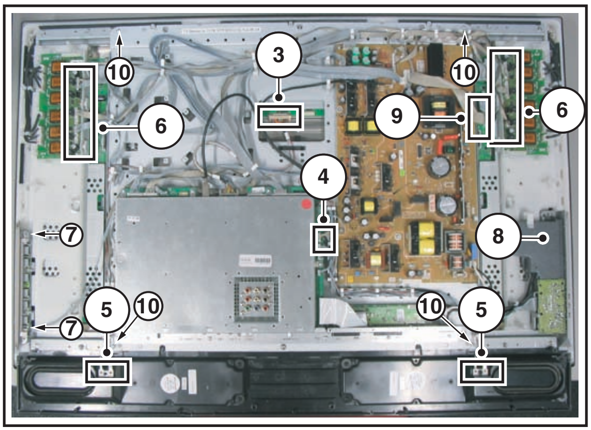
For exchanging the LCD display, see figures “LCD Display Panel removal”.

1. Remove the rear cover, as described previously.
2. Remove screws [1]
3. Remove brackets [2].
4. Unplug LVDS connector [3] from the panel.
5. Unplug connector [4] of the IR/LED panel from the SSB.
6. Unplug connectors [5] from the loudspeakers.
7. Unplug connectors [6] from the ambilight lamp inverter PWB.
8. Remove screws [7] and put the keyboard control unit on the subframe.
9. Release the Mem. Card Reader/Side I/O [8] and put it on the subframe.
10. Unplug connector [9] from the X-Main PWB.
11. Remove screws [10].
12. Remove the subframe [11].
13. Remove screws [12].
14. Remove brackets [13] and plastic ambilight lamp frame [14].
15. Remove the LCD panel [15].



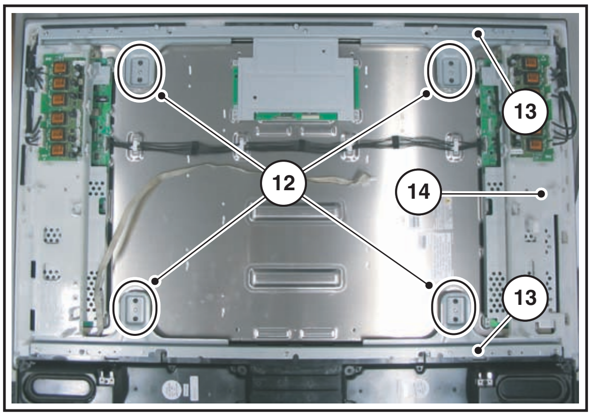
G_15990_135.eps
110506

Figure 4-30 LCD Display panel removal 1/4



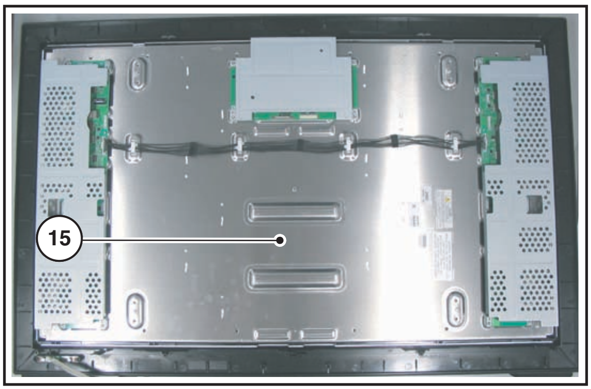
G_15990_136.eps
120506

Figure 4-31 LCD display panel removal 2/4



G_15990_137.eps
120506

Figure 4-32 LCD display panel removal 3/4

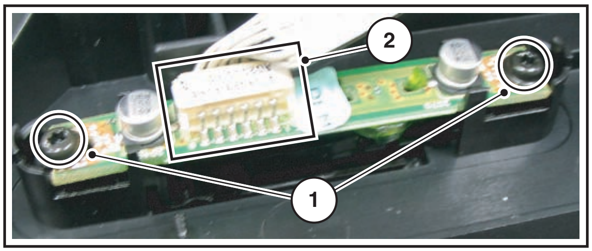


G_15990_138.eps
110506

Figure 4-33 LCD display panel removal 4/4

### 4.4.10 LED/IR Sensor Removal

1. Carry out the disassembly of the LCD panel, as described previously, except for the last point.
2. Remove screws [1] .
3. Unplug connector [2].

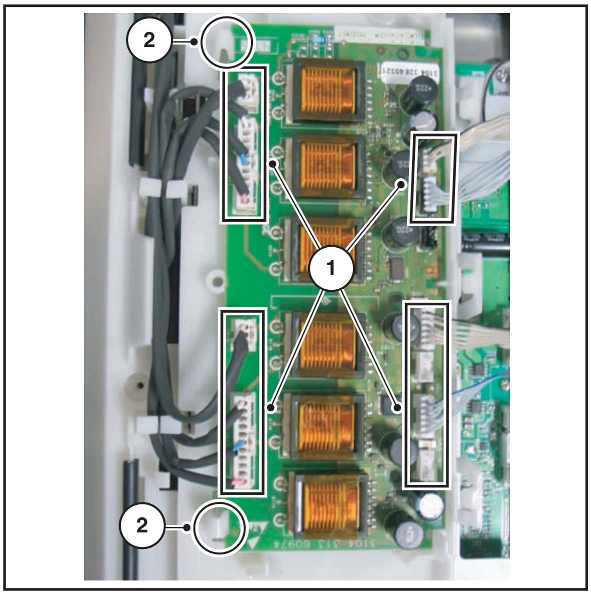


G_15990_139.eps
110506

Figure 4-34 LED/IR sensor removal

### 4.4.11 Ambilight Lamp Inverter Boards

1. Remove the rear cover, as described previously.
2. Remove the metal bracket, that is mounted over the Inverter Board you want to replace, as described previously.
3. Unplug connectors [1] .
4. Release clamps [2].

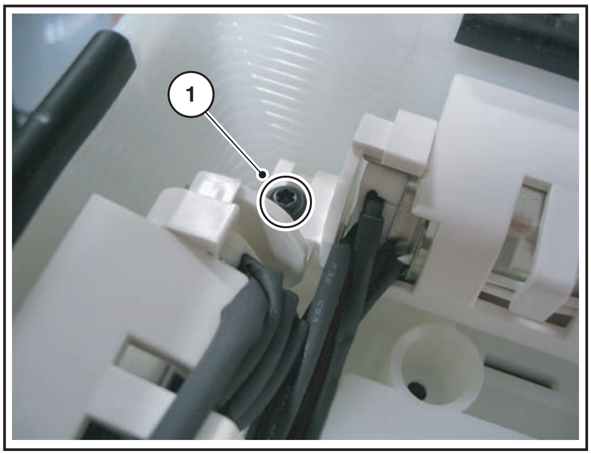


G_15990_140.eps
110506

Figure 4-35 Ambilight Lamp inverter board

### 4.4.12 Ambilight Lamp Module

1. Carry out the disassembly “LCD Display Panel”, except for the last point.
2. Put the ambilight lamp frame on a flat workbench.
3. Remove screws [1].



G_15990_141.eps
110506

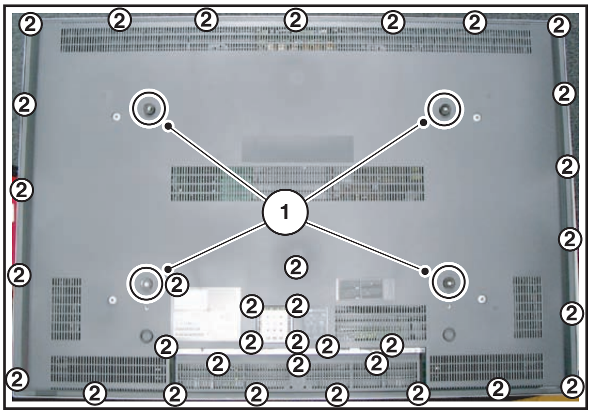
Figure 4-36 Ambilight Lamp module

## 4.5 Assy/Panel Removal “Top A” styling

### 4.5.1 Rear Cover

Disconnect the Mains/AC Power cord before you remove the rear cover!

1. Place the TV set upside down on a table top, using the foam bars (see part “Foam Bars”).
   **Caution:** do **not** put pressure on the display, but let the monitor lean on the front cover.
2. Remove the stand.
3. Remove mushrooms [1].
4. Remove screws [2].
5. Lift the Rear Cover from the TV. Make sure that wires and flat foils are not damaged while lifting the rear cover.



G_15990_146.eps
161006

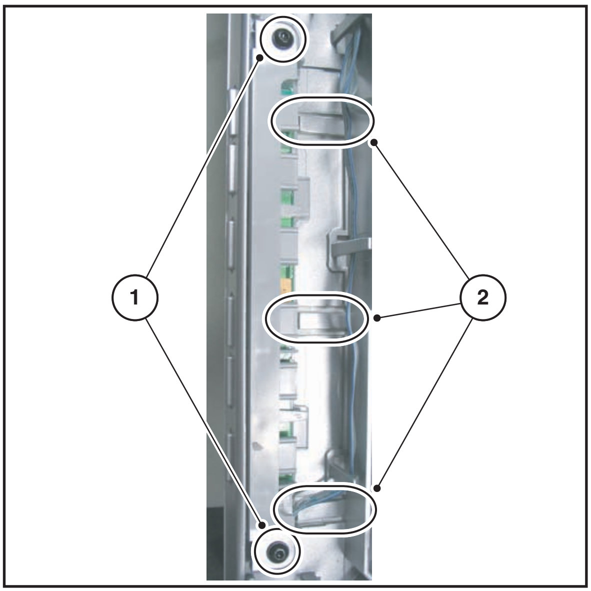
Figure 4-37 Rear cover removal

### 4.5.2 Speakers

After removing the rear cover, you gain access to the speakers. **Caution:** never disconnect the speakers with a playing set, because otherwise the class-D audio amplifiers could be damaged.

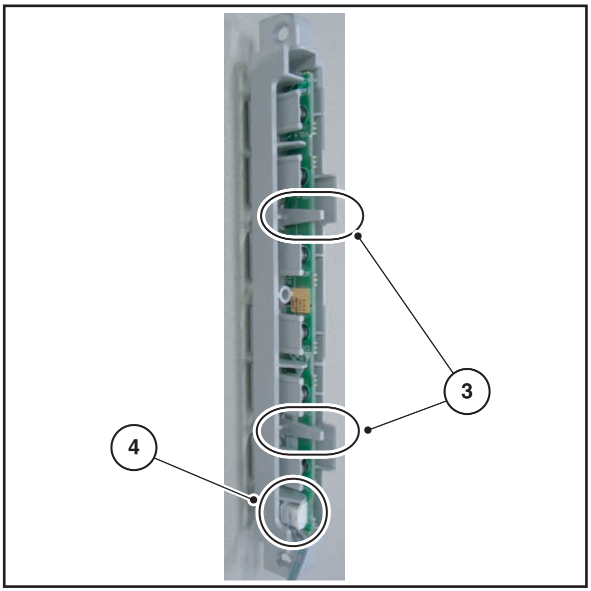
### 4.5.3 Keyboard Control Panel

1. Remove the rear cover, as described previously.
2. Remove screws [1].
3. Release clips [2] and slide the unit away from the side of the set.
4. Release clips [3] and slide the PWB out of the plastic casing.
5. Unplug connector [4].



G_15990_147.eps
120506

Figure 4-38 Keyboard control panel removal 1/2



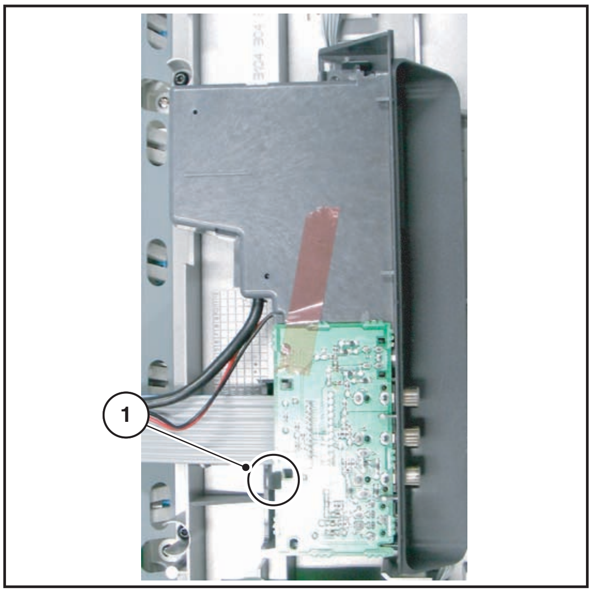
G_15990_148.eps
120506

Figure 4-39 Keyboard control panel removal 2/2

When defective, replace the whole unit.

### 4.5.4 Side I/O Panel

1. Remove the rear cover, as described previously.
2. Release clamp [1] and slide the PWB out of its casing.
3. Unplug connector [2] from the panel.



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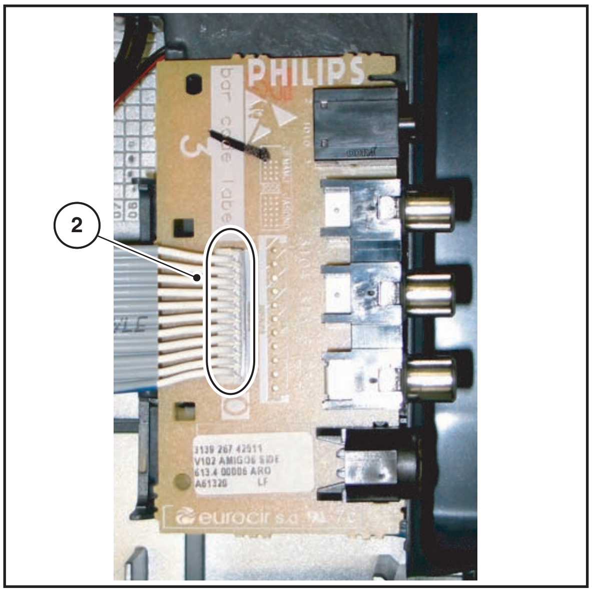
120506

Figure 4-40 Side I/O panel 1/2

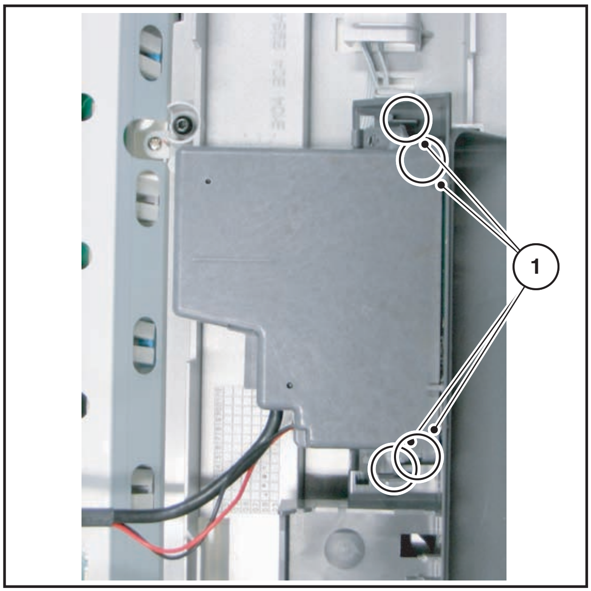

2
PHILIPS
3139 267 42511
V102 AMIGO6 SIDE
613.4 00006 ARO
A61320 LF
eurocir

G_15990_150.eps
120506

Figure 4-41 Side I/O panel 2/2

### 4.5.5 Memory Card reader / USB connector

1. Remove the rear cover, as described previously.
2. Release clamps [1] and slide the unit out of its plastic frame.
3. Unplug the USB connector from the SSB panel, and the power cable from the platform PSU.

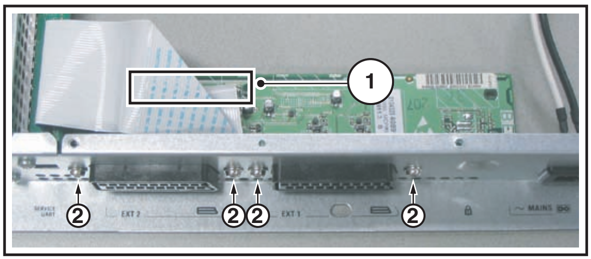


G_15990_151.eps
120506

Figure 4-42 Memory card reader / USB connector

### 4.5.6 External I/O SCART Panel

1. Remove the rear cover, as described previously.
2. Unplug connector [1] from the panel.
3. Remove screws [2].



G_15990_152.eps
120506

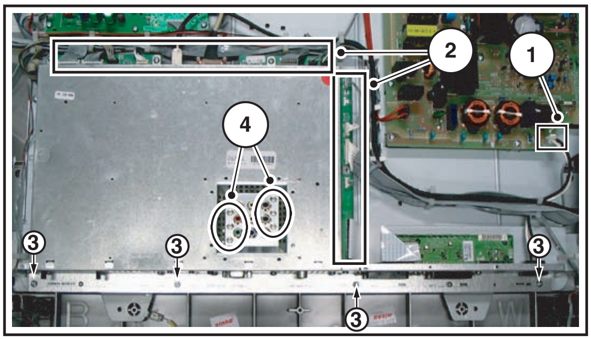
Figure 4-43 External I/O SCART panel

### 4.5.7 Small Signal Board (SSB)

**Caution:** it is absolutely mandatory to remount all different screws at their original position during re-assembly. Failure to do so may result in damaging the SSB.

***Removal from the set***

1. Remove the rear cover, as described previously.
2. Unplug connector [1] from the panel PSU.
3. Unplug all connectors [2] from the SSB panel.
4. Remove screws [3].
5. Take the complete SSB module out of the set and place it on a flat workbench.

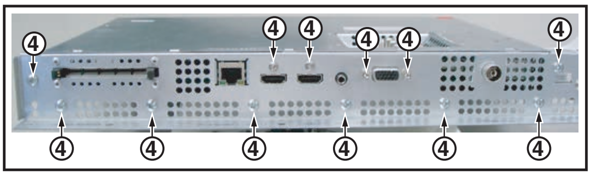


G_15990_153.eps
120506

Figure 4-44 SSB panel 1/3

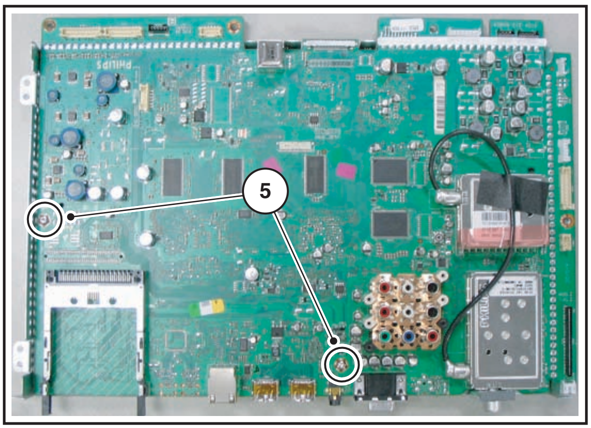
***Removing the shielding***

1. Remove screws [4] .
2. Remove the connector plate and the top shielding.
3. Remove screws [5] and remove the SSB panel from the bottom shielding.



G_15990_154.eps
120506

Figure 4-45 SSB panel 2/3

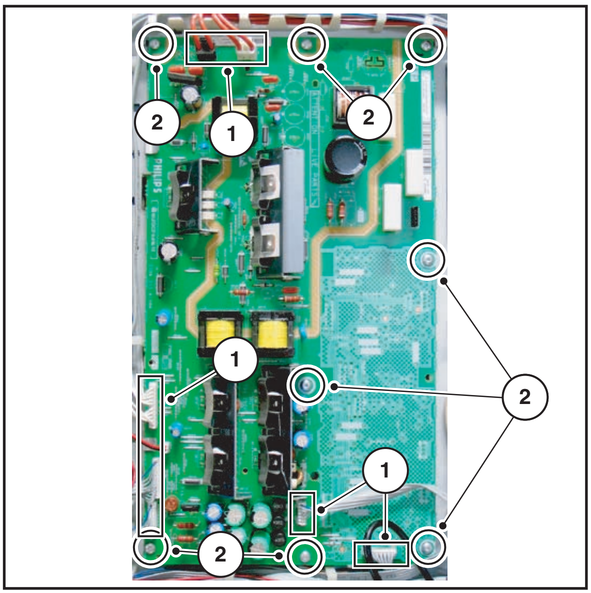


G_15990_155.eps
120506

Figure 4-46 SSB panel 3/3

### 4.5.8 Platform Supply

1. Remove the rear cover, as described previously.
2. Unplug connectors [1] from the panel.
3. Remove screws [2].

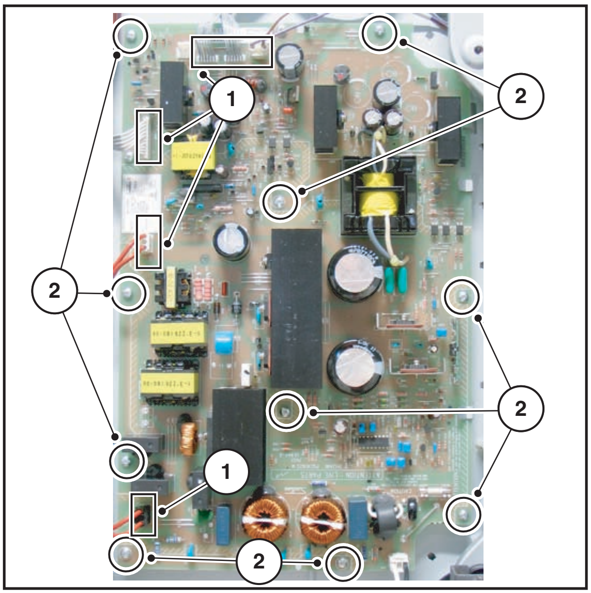


G_15990_156.eps
120506

**Figure 4-47 Platform supply**

### 4.5.9 LCD Panel Supply

1. Remove the rear cover, as described previously.
2. Unplug connectors [1] from the panel.
3. Remove screws [2].



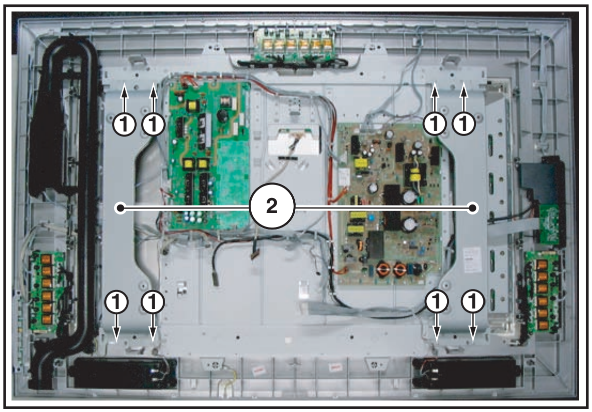
G_15990_157.eps
120506

**Figure 4-48 LCD panel supply**

### 4.5.10 LCD Display Panel

For exchanging the LCD display, see figures “LCD Display Panel removal”.

1. Remove the rear cover, as described previously.
2. Remove the SSB module, as described previously.
3. Remove the screws [1]
4. Remove brackets [2].
5. Unplug connectors [3] from the panel PSU.
6. Unplug connector [4] from the platform PSU.
7. Unplug connectors [5] from the loudspeakers.
8. Unplug connectors [6] from the right hand ambilight lamp driver PWB.
9. Unplug earth wire [7].
10. Carefully unplug the fragile LVDS connector [8].
11. Unplug connector [9] from the X-Main PWB.
12. Remove screws [10].
13. Remove the metal subframe [11].
14. Remove screws [12].
15. Remove plastic subframe [13].
16. Release catches [14] and lift the ambilight lamp frame [15] from the remains of the set.
17. Remove the LCD panel [16].



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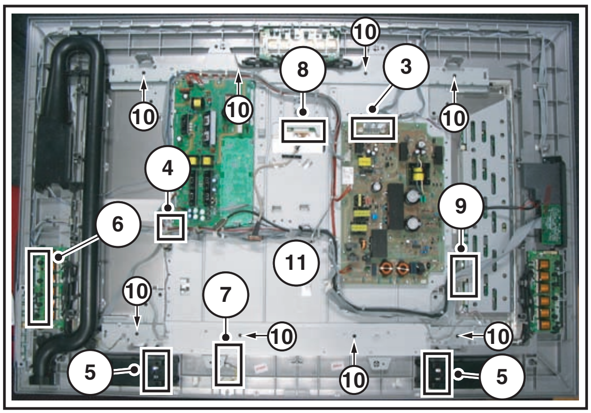
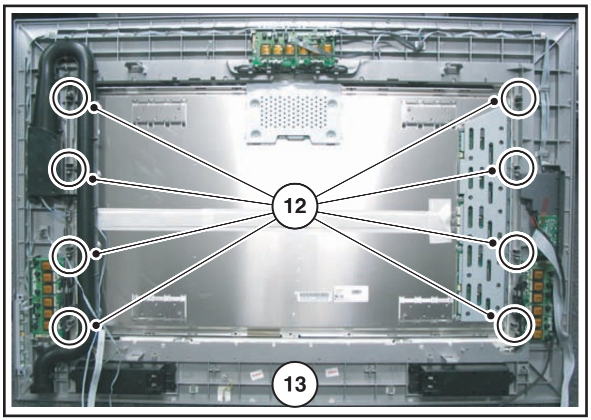
120506

**Figure 4-49 LCD display panel removal 1/4**



G_15990_159.eps
120506

**Figure 4-50 LCD display panel removal 2/4**



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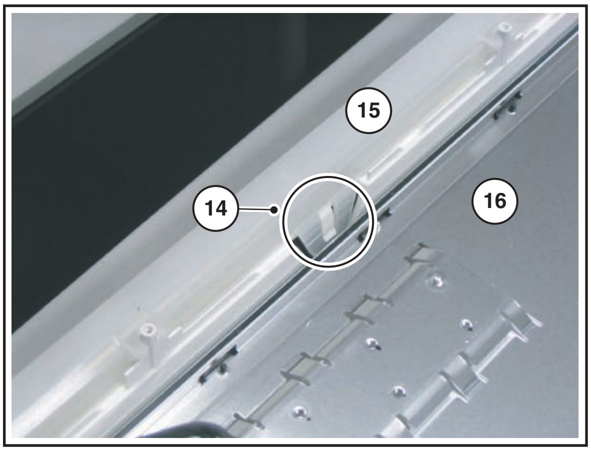
120506

Figure 4-51 LCD display panel removal 3/4

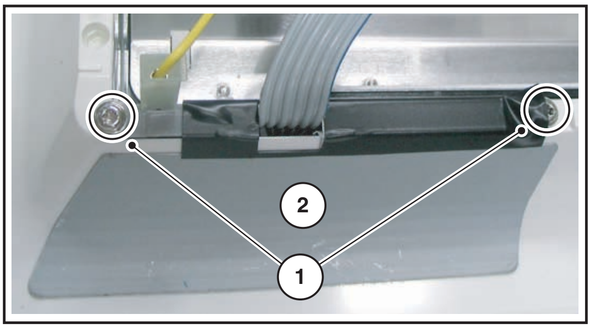


G_15990_161.eps
120506

Figure 4-52 LCD Display panel removal 4/4

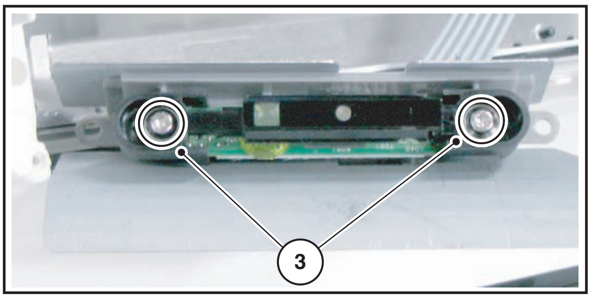
### 4.5.11 LED/IR Sensor Removal

1. Remove the LCD panel, as described previously.
2. Remove screws [1] .
3. Pull bracket [2] out of the frame.
4. Remove screws [3].
5. Pull the PWB out of the bracket.
6. Unplug connector [4].



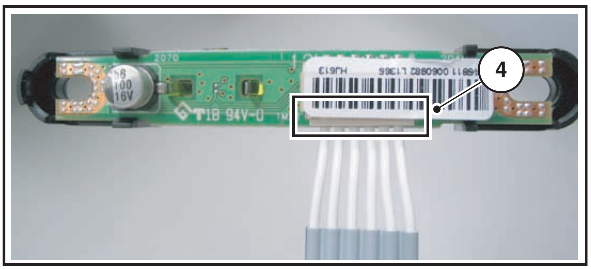
G_15990_162.eps
120506

Figure 4-53 LED/IR sensor removal 1/3



G_15990_163.eps
120506

Figure 4-54 LED/IR sensor removal 2/3

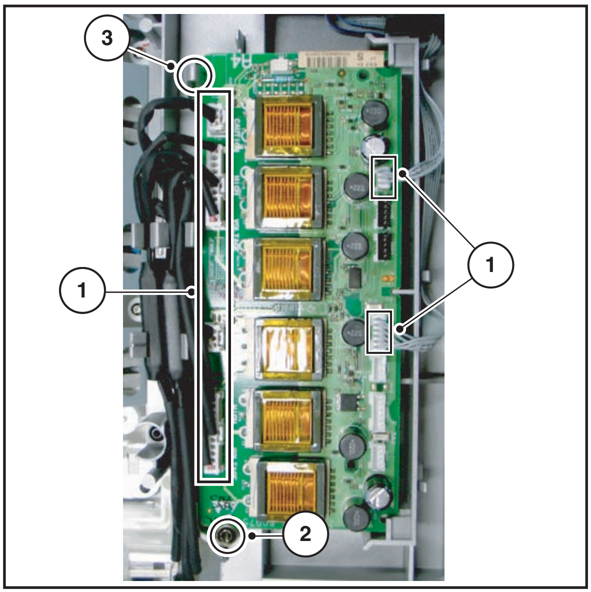


G_15990_164.eps
120506

Figure 4-55 LED/IR sensor removal 3/3

### 4.5.12 Ambilight Lamp Inverter Board Left

1. Remove the rear cover, as described previously.
2. Unplug connectors [1].
3. Remove screw [2].
4. Release clamp [3].

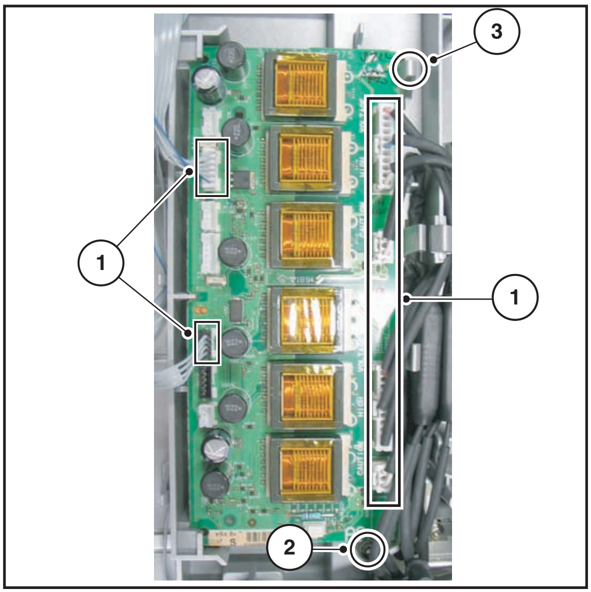


G_15990_165.eps
120506

Figure 4-56 Ambilight Lamp inverter board left

### 4.5.13 Ambilight Lamp Inverter Board Right

1. Remove the rear cover, as described previously.
2. Unplug connectors [1] .
3. Remove screw [2].
4. Release clamp [3].

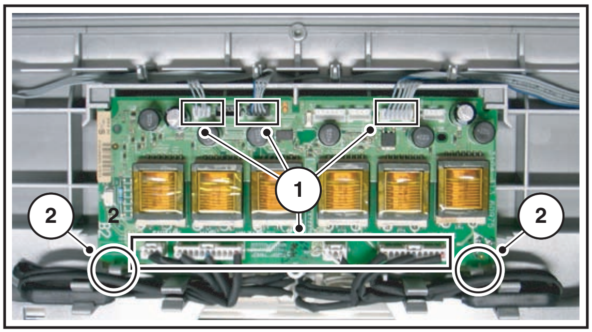


G_15990_166.eps
120506

Figure 4-57 Ambilight Lamp inverter board right

### 4.5.14 Ambilight Lamp Inverter Board Top

1. Remove the rear cover, as described previously.
2. Unplug connectors [1] .
3. Release clamp [2].



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120506

Figure 4-58 Ambilight Lamp inverter board top

### 4.5.15 Ambilight Lamp Module

1. Carry out the disassembly “LCD Display Panel”, except for the last point.
2. Put the ambilight lamp frame on a flat workbench.
3. Remove screws [1].

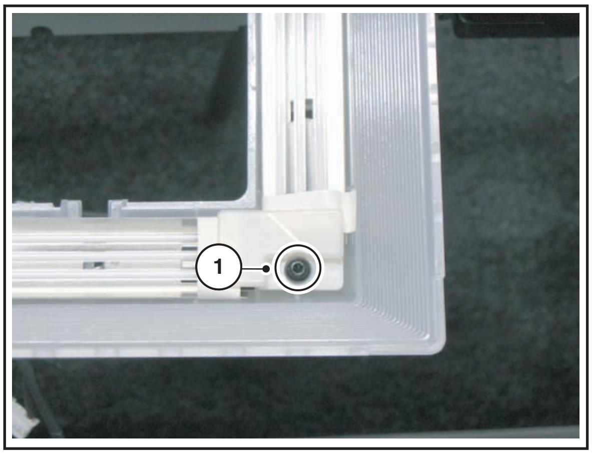

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Figure 4-59 Ambilight Lamp module

## 4.6 Assy/Panel Removal “Step 2k6” styling

No information available at time of printing.

## 4.7 Set Re-assembly

To re-assemble the whole set, execute all processes in reverse order.

**Notes:**

- While re-assembling, make sure that all cables are placed and connected in their original position. See figure "Cable dressing".
- Pay special attention not to damage the EMC foams on the SSB shields. Ensure that EMC foams are mounted correctly.

# 5. Service Modes, Error Codes, and Fault Finding

**Index of this chapter:**

5.1 Test Points
5.2 Service Modes
5.3 Stepwise Start-up
5.5 Error Codes
5.6 The Blinking LED Procedure
5.7 Protections
5.8 Fault Finding and Repair Tips
5.9 Software Upgrading

## 5.1 Test Points

The chassis is equipped with test points (Fxxx) printed on the circuit board assemblies. As most signals are digital, it will be difficult to measure waveforms with a standard oscilloscope. Several key ICs are capable of generating test patterns, which can be controlled via ComPair. In this way it is possible to determine which part is defective.

Perform measurements under the following conditions:
- Service Default Mode.
- Video: Colour bar signal.
- Audio: 3 kHz left, 1 kHz right.

## 5.2 Service Modes

Service Default mode (SDM) and Service Alignment Mode (SAM) offers several features for the service technician, while the Customer Service Mode (CSM) is used for communication between the call centre and the customer. Also a service mode for servicing the AmbiLights units is foreseen.

This chassis also offers the option of using ComPair, a hardware interface between a computer and the TV chassis. It offers the abilities of structured troubleshooting, error code reading, and software version read-out for all chassis. *Minimum requirements for ComPair:* a Pentium processor, a Windows OS, and a CD-ROM drive (see also paragraph "ComPair").

### 5.2.1 Service Default Mode (SDM)

***Purpose***
- To create a pre-defined setting, to get the same measurement results as given in this manual.
- To override SW protections detected by standby processor and make the TV start up to the step just before protection (a sort of automatic stepwise start up). See paragraph “Stepwise Start Up”.
- To override SW protections detected by Viper. Depending on the SW version it is possible that this mechanism does not work correctly. See also paragraph “Error codes”.
- To start the blinking LED procedure (not valid in protection mode).

***Specifications***

**Table 5-1 SDM default settings**

| Region | Freq. (MHz) | Default system |
|---|---|---|
| Europe, AP(PAL/Multi) | 475.25 | PAL B/G |
| Europe, AP DVBT | 546.000<br>PID Video: 0B 06<br>PID PCR: 0B 06<br>PID Audio: 0B 07 | DVBT |

- All picture settings at 50% (brightness, colour, contrast).
- All sound settings at 50%, except volume at 25%.
- All service-unfriendly modes (if present) are disabled, like:
  - (Sleep) timer.
  - Child/parental lock.
  - Picture mute (blue mute or black mute).
  - Automatic volume levelling (AVL).
  - Auto switch "off" (when no video signal was received for 10 minutes).
  - Skip/blank of non-favourite pre-sets.
  - Smart modes.
  - Auto store of personal presets.
  - Auto user menu time-out.

***How to Activate SDM***
For DVBT TV’s there are two kinds of SDM : an analogue SDM and a digital SDM. Tuning will happen according table “SDM default settings”.
- Analogue SDM: use the standard RC-transmitter and key in the code “062596”, directly followed by the “MENU” button.
  **Note:** It is possible that, together with the SDM, the main menu will appear. To switch it "off", push the “MENU” button again.
- Analogue SDM can also be activated by shorting for a moment the two solder pads [1] on the SSB, with the indication “SDM”. They are located outside the shielding. Activation can be performed in all modes, except when the set has a problem with the Standby Processor. See figure “Service mode pads”.
- Digital SDM: use the standard RC-transmitter and key in the code “062593”, directly followed by the “MENU” button. Depending on the software version it is possible that the tuning will not work correctly.
  **Note:** It is possible that, together with the SDM, the main menu will appear. To switch it "off", push the “MENU” button again.

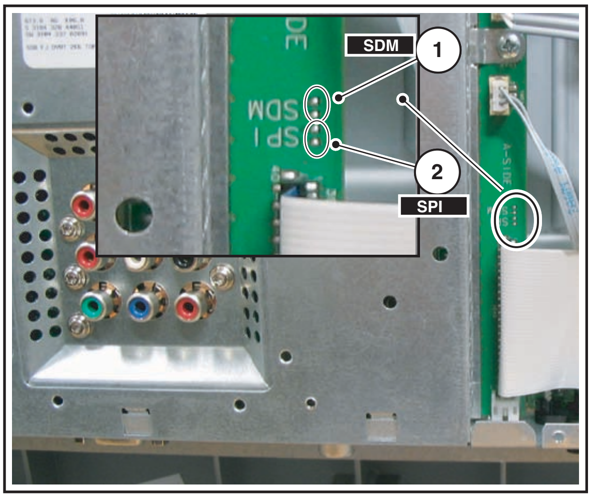

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**Figure 5-1 Service mode pads**

After activating this mode, “SDM” will appear in the upper right corner of the screen (if you have picture).

***How to Navigate***
When you press the “MENU” button on the RC transmitter, the set will toggle between the SDM and the normal user menu (with the SDM mode still active in the background).

***How to Exit SDM***

Use one of the following methods:

- Switch the set to STANDBY via the RC-transmitter.
- Via a standard customer RC-transmitter: key in "00"-sequence.

### 5.2.2 Service Alignment Mode (SAM)

***Purpose***

- To perform (software) alignments.
- To change option settings.
- To easily identify the used software version.
- To view operation hours.
- To display (or clear) the error code buffer.

***How to Activate SAM***

Via a standard RC transmitter: key in the code "062596" directly followed by the "INFO" button. After activating SAM with this method a service warning will appear on the screen, you can continue by pressing the red button on the RC.

***Contents of SAM:***

- **Hardware Info.**
  - **A. SW Version.** Displays the software version of the VIPER software (main software) (**example:** JA30E-1.2.3.4_12345 = AAAAB_X.Y.W.Z_NNNNN).
    - **AAAA**= the software name.
    - **B**= the region: A= AP, E= EU, L= LatAm, U = US. For AP sets it is possible that the Europe software version is used.
    - **X.Y.W.Z**= the software version, where X is the main version number (different numbers are not compatible with one another) and Y.W.Z is the sub version number (a higher number is always compatible with a lower number).
    - **NNNNN**= last five digits of 12nc code of the software.
  - **B. SBY PROC Version.** Displays the software version of the standby processor.
  - **C. Production Code**. Displays the production code of the TV, this is the serial number as printed on the back of the TV set. Note that if an NVM is replaced or is initialized after corruption, this production code has to be re-written to NVM. ComPair will foresee in a possibility to do this.
- **Operation Hours.** Displays the accumulated total of operation hours (not the standby hours). Every time the TV is switched "on/off", 0.5 hours is added to this number.
- **Errors.** (Followed by maximal 10 errors). The most recent error is displayed at the upper left (for an error explanation see paragraph "Error Codes").
- **Defective Module.** Here the module that generates the error is displayed. If there are multiple errors in the buffer, which are not all generated by a single module, there is probably another defect. It will then display the message "UNKNOWN" here. Not all errors will display a defective module name.
- **Reset Error Buffer.** When you press "cursor right" and then the "OK" button, the error buffer is reset.
- **Alignments.** This will activate the "ALIGNMENTS" sub-menu.
- **Dealer Options.** Extra features for the dealers.
- **Options.** Extra features for Service. For more info regarding option codes, see chapter 8.
  Note that if you change the option code numbers, you have to confirm your changes with the "OK" button before you store the options. Otherwise you will lose your changes.
- **Initialise NVM.** When an NVM was corrupted (or replaced) in the former EMG based chassis, the microprocessor replaces the content with default data (to assure that the set can operate). However, all preferences and alignment values are gone now, and option numbers are not correct. Therefore, this was a very drastic way. In this chassis, the procedure is implemented in another way: The moment the processor recognizes a corrupted NVM, the "initialize NVM" line will be highlighted. Now, you can do two things (depending of the service instructions at that moment):
  - Save the content of the NVM via ComPair for development analysis, **before** initializing. This will give the Service department an extra possibility for diagnosis (e.g. when Development asks for this).
  - Initialize the NVM (same as in the past, however now it happens conscious).

**Note**: When you have a corrupted NVM, or you have replaced the NVM, there is a high possibility that you will not have picture any more because your display option is not correct. So, before you can initialize your NVM via the SAM, you need to have picture and therefore you need the correct display option. To adapt this option, you can use ComPair (the correct HEX values for the options can be found in the table below) or a method via a standard RC (described below).

**Changing the display option via a standard RC**:

Key in the code "062598" directly followed by the "MENU" button and "XXX" (where XXX is the 3 digit decimal display option code as mentioned in the first column of the next table). Make sure to key in all three digits, also the leading zero's.

If the above action is successful, the front LED will go out as an indication that the RC sequence was correct.

After the display option is changed in the NVM, the TV will go to the Standby mode.

If the NVM was corrupted or empty before this action, it will be initialised first (loaded with default values). This initialising can take up to 20 seconds.

| Display option | HEX | Display type | Brand | SIZE | Full HD | Clear LCD | Resolution vertical | Resolution horizontal | Type number | 12 NC |
|---|---|---|---|---|---|---|---|---|---|---|
| 000 | 00 | PDP | SDI | 42 | | | 768p | 1024 | S42AX-YD01(PP42AX-007A) | 9322 225 38682 |
| 001 | 01 | PDP | SDI | 50 | | | 768p | 1366 | S50HW-XD03 | 9322 215 26682 |
| 002 | 02 | PDP | FHP | 42 | | | 1024i | 1024 | FPF42C128128UC-52 (A1) | 9322 212 78682 |
| 003 | 03 | LCD | LPL | 30 | | | 768p | 1280 | LC300W01-A3P7 | 9322 198 00682 |
| 004 | 04 | LCD | LPL | 37 | | | 768p | 1366 | LC370W01-A6 | 9322 220 87682 |
| 005 | 05 | LCD | LPL | 42 | | | 768p | 1366 | LC420W02-A6 | 9322 226 39682 |
| 006 | 06 | LCD | Sharp | 32 | | | 768p | 1366 | LQ315T3LZ13 (ASV1)<br>LQ315T3LZ23 (ASV2.2)(5Vtcon)<br>LQ315T3LZ23 (ASV2.2)(12Vtcon) | 9322 209 35682<br>9322 226 58682<br>9322 226 16682 |
| 007 | 07 | PDP | SDI | 42 | | | 480p | 852 | S42SD-YD05 (V3) | 9322 215 27682 |
| 008 | 08 | PDP | FHP | 37 | | | 1024i | 1024 | FPF37C128128UB-72 | 9322 217 56682 |
| 009 | 09 | LCOS XION | | | | | 720p | 1280 | n.a. | n.a. |
| 010 | 0A | LCD | AUO | 30 | | | 768p | 1280 | T296XW01<br>T296XW01V2<br>T296XW01V3 | 9322 206 49682<br>9322 219 45682<br>9322 213 33682 |
| 011 | 0B | LCD | LPL | 32 | | | 768p | 1366 | LC320W01-A6K1 | 9322 217 44682 |
| 012 | 0C | LCD | AUO | 32 | | | 768p | 1366 | T315XW01V5 | 9322 231 69682 |
| 013 | 0D | LCD | Sharp | 37 | | | 768p | 1366 | LQ370T3LZ21 (ASV2)<br>LQ370T3LZ44 (ASV2.2) | ? |
| 014 | 0E | LCD | LPL | 42 | X | | 1080p | 1920 | LC420WU1-SL01 | 9322 228 99682 |
| 015 | 0F | PDP | SDI | 37 | | | 480p | 852 | S37SD-YD02 | 9322 217 39682 |
| 016 | 10 | PDP | FHP | 37 | | | 1080i | 1024 | not used | not used |
| 017 | 11 | PDP | FHP | 42 | | | 1080i | 1024 | FPF42C128135UA-52 | 9322 235 43682 |
| 018 | 12 | PDP | FHP | 55 | | | 768p | 1366 | not used | not used |
| 019 | 13 | LCOS VENUS | | | | | 720p | 1280 | n.a. | n.a. |
| 020 | 14 | LCOS VENUS | | | X | | 1080p | 1920 | n.a. | n.a. |
| 021 | 15 | LCD | LPL | 26 | | | 768p | 1366 | LC260WX2-SL01 | 9322 221 01682 |
| 022 | 16 | LCD | LPL | 32 | | X | 768p | 1366 | LC320WX2-SL01 | 9322 241 46682 |
| 023 | 17 | PDP | LGE | 42 | | | 480p | 852 | not used | not used |
| 024 | 18 | PDP | SDI | 42 | | | 480p | 852 | S42SD-YD07(PP42SD-015A) (V4)<br>S42SD-YD07(PP42SD-015B) (V4)<br>S42SD-YD07(PP42SD-015F) (V4) | 9322 226 37682<br>9322 226 96682<br>9322 233 81682 |
| 025 | 19 | PDP | SDI | 42 | | | 768p | 1024 | S42AX-YD01(PP42AX-007A) (V4)<br>S42AX-YD01(PP42AX-008A) (V4)<br>S42AX-YD01(PP42AX-008B) (V4)<br>S42AX-YD02(PP42AX-009A) (W1)<br>S42AX-YD02 (PS-425-PHN) (W1) | 9322 225 38682<br>9322 226 95682<br>9322 233 80682<br>9322 240 08682<br>9322 242 85682 |
| 026 | 1A | PDP | FHP | 42 | | | 1024i | 1024 | FPF42C128128UD-51 (A2) | not used |
| 027 | 1B | PDP | SDI | 50 | | | 768p | 1366 | S50HW-XD04(PP50HW-005A) (V4)<br>S50HW-XD04(PP50HW-005B) (V4)<br>S50HW-XD04(PP50HW-005E) (V4)<br>S50HW-YD01(PP50HW-010A) (W1) | 9322 226 54682<br>9322 226 97682<br>9322 233 79682<br>9322 240 25682 |
| 028 | 1C | LCD | Sharp | 37 | X | | 1080P | 1920 | LQ370D3LZ13 (ASV2.2) | 9322 228 48682 |
| 029 | 1D | LCD | AUO | 32 | | | 768p | 1366 | T315XW01-V3 | see partslist for 12NC |
| 030 | 1E | LCD | Sharp | 37 | X | X | 1080p | 1920 | LW370D3LZ1x (ASV 3 first samples) | not used |
| 031 | 1F | LCD | Sharp | 37 | X | X | 1080P | 1920 | LK370D3LZ33 (ASV 3) | 9322 242 22682 |
| 032 | 20 | LCD | LPL | 20 | | | 768p | 1366 | LC200WX1-SL01 | 9322 222 90682 |
| 033 | 21 | LCD | QDI | 23 | | | 768p | 1366 | QD23HL02 REV01<br>QD23HL02 REV01(03) | 9322 223 91682<br>9322 232 69682 |
| 034 | 22 | ECO PTV | | 51 | | | 1080i | 1366 | ? | |
| 035 | 23 | ECO PTV | | 55 | | | 1080i | 1366 | ? | |
| 036 | 24 | ECO PTV | | 61 | | | 1080i | 1366 | ? | |
| 037 | 25 | PDP | FHP | 42 | | | 1024I | 1024 | FPF42C128135UA-52 (A3) | 9322 235 43682 |
| 038 | 26 | DLP | | 50 | | | 720p | 1280 | ? | |
| 039 | 27 | DLP | | 60 | | | 720p | 1280 | ? | |
| 040 | 28 | LCD | Sharp | 32 | | | 768p | 1366 | LK315T3LZ43 (ASV 2.3) | 9322 235 32682 |
| 041 | 29 | LCD | LPL | 42 | | X | 768p | 1366 | LC420WX2-SLA1 | 9322 240 80682 |
| 042 | 2A | PDP | SDI | 63 | | | 768p | 1366 | S63HW-XD05 | 9322 246 18682 |
| 043 | 2B | LCD | Sharp | 37 | | X | 768p | 1366 | LK370T3LZ63 (ASV 3) | see partslist for 12NC |
| 044 | 2C | LCD | Sharp | 37 | | | 768p | 1366 | LK370T3LZ53 (ASV 2.3) | 9322 235 83682 |
| 045 | 2D | LCD | LPL | 26 | | | 768p | 1366 | LC260WX2-SLB2 | 9322 234 13682 |
| 046 | 2E | LCD | LPL | 32 | | | 768p | 1366 | LC320W01-SL06 | 9322 230 03682 |
| 047 | 2F | LCD | LPL | 42 | | | 768p | 1366 | LC420W02-SLB1 | 9322 234 12682 |
| 048 | 30 | LCD | QDI | 26 | | | 768p | 1366 | QD26HL02-REV01<br>QD26HL02-REV02 | 9322 227 29682<br>9322 235 05682 |
| 049 | 31 | LCD | AUO | 26 | | | 768p | 1366 | T260XW02V4 | 9322 231 90682 |
| 050 | 32 | LCD | AUO | 32 | | | 768p | 1366 | T315XW01V9/ T315X02VD | 9322 231 89682 |
| 051 | 33 | LCD | AUO | 37 | | | 768p | 1366 | T370XW01V1 | 9322 233 78682 |
| 052 | 34 | LCD | AUO | 32 | | | 768p | 1366 | T315XW02V5 | see partslist for 12NC |
| 053 | 35 | LCD | LPL | 37 | | | 768p | 1366 | LC370WX1-SL04 | 9322 233 19682 |
| 054 | 36 | PDP | LGE | 42 | | | 768p | 1024 | PDP42X3 | see partslist for 12NC |
| 055 | 37 | LCD | LPL | 42 | X | | 1080p | 1920 | LC420WU2-SLA1 | see partslist for 12NC |
| 056 | 38 | LCD | LPL | 47 | X | | 1080p | 1920 | LC470WU1-SLC2 | see partslist for 12NC |
| 057 | 39 | LCD | LPL | 42 | | | 768p | 1366 | LC420WX3-SLA2 | see partslist for 12NC |

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Figure 5-2 Display option code overview

- **Store.** All options and alignments are stored when pressing “cursor right” and then the “OK”-button
- **SW Maintenance.**
  - **SW Events.** Not useful for Service purposes. In case of specific software problems, the development department can ask for this info.
  - **HW Events.** Not useful for Service purposes. In case of specific software problems, the development department can ask for this info.

- **Operating hours.** Here you are able to reset the operations hours of the display. This has to be done in case of replacement of the display.
- **Upload to USB.** Here you are able to upload several settings from the TV to a USB stick which is connected to the Side IO. The four items are “Channel list”, “Personal settings”, “Option codes” and “Display-related alignments”. First you have to create a directory “repair\” in the root of the USB stick.To upload the settings you have to select each item separately, press “cursor right”, confirm with “OK” and wait until “Done” appears. Now the settings are stored onto your USB stick and can be used to download onto another TV or other SSB. Uploading is of course only possible if the software is running and if you have picture. This method is created to be able to save the customer’s TV settings and to store them into another SSB.
- **Download from USB.** Here you are able to download several settings from the USB stick to the TV. Same way of working as with uploading. To make sure that the download of the channel list from USB to the TV is executed properly, it is necessary to restart the TV and tune to a valid preset if necessary.

***How to Navigate***

- In SAM, you can select the menu items with the “CURSOR UP/DOWN” key on the RC-transmitter. The selected item will be highlighted. When not all menu items fit on the screen, move the “CURSOR UP/DOWN” key to display the next/previous menu items.
- With the “CURSOR LEFT/RIGHT” keys, it is possible to:
  - (De) activate the selected menu item.
  - (De) activate the selected sub menu.
- With the “OK” key, it is possible to activate the selected action.

***How to Exit SAM***

Use one of the following methods:

- Press the “MENU” button on the RC-transmitter.
- Switch the set to STANDBY via the RC-transmitter.

### 5.2.3 Customer Service Mode (CSM)

***Purpose***

When a customer is having problems with his TV-set, he can call his dealer or the Customer Helpdesk. The service technician can then ask the customer to activate the CSM, in order to identify the status of the set. Now, the service technician can judge the severity of the complaint. In many cases, he can advise the customer how to solve the problem, or he can decide if it is necessary to visit the customer.
The CSM is a read only mode; therefore, modifications in this mode are not possible.

When in this chassis, CSM is activated, a colour bar test pattern will be visible for 5 seconds. This test pattern is generated by the Pacific3. So if you see this test pattern you can determine that the back end video chain (Pacific3, LVDS and display) is working.
Also new in this chassis: when you activate CSM and there is a USB stick connected to the TV, the software will dump the complete CSM content to the USB stick. The file (Csm.txt) will be saved in the root of your USB stick. This info can be handy if you don’t have picture.

***How to Activate CSM***

Key in the code “123654” via the standard RC transmitter.

**Note**: Activation of the CSM is only possible if there is no (user) menu on the screen!

***How to Navigate***

By means of the “CURSOR-DOWN/UP” knob on the RC-transmitter, you can navigate through the menus.

***Contents of CSM***

- **Set Type.** This information is very helpful for a helpdesk/workshop as reference for further diagnosis. In this way, it is not necessary for the customer to look at the rear of the TV-set. Note that if an NVM is replaced or is initialized after corruption, this set type has to be re-written to NVM. ComPair will foresee a possibility to do this.
- **Production Code.** Displays the production code (the serial number) of the TV. Note that if an NVM is replaced or is initialized after corruption, this production code has to be re-written to NVM. ComPair will foresee a possibility to do this.
- **Code 1.** Gives the latest five errors of the error buffer. As soon as the built-in diagnose software has detected an error the buffer is adapted. The last occurred error is displayed on the leftmost position. Each error code is displayed as a 2-digit number. When less than 10 errors occur, the rest of the buffer is empty (00). See also paragraph Error Codes for a description.
- **Code 2.** Gives the first five errors of the error buffer. See also paragraph Error Codes for a description.
- **Options 1.** Gives the option codes of option group 1 as set in SAM (Service Alignment Mode).
- **Options 2.** Gives the option codes of option group 2 as set in SAM (Service Alignment Mode).
- **12NC SSB.** Gives an identification of the SSB as stored in NVM. Note that if an NVM is replaced or is initialized after corruption, this identification number has to be re-written to NVM. ComPair will foresee a possibility to do this.
  This identification number consists of 14 characters and is built up as follows:
  - 8 last characters of the 12NC of the SSB itself.
  - the serial number of the SSB, which consists of 6 digits.
  Both can be found on a sticker on the PWB of the SSB itself (**not** on the sticker on the outside of the shielding!). The format of the identification number is then as follows:
  <last 8 characters of 12NC of SSB><serial number of SSB> (total 14 characters).
- **Digital Natural Motion.** Gives the last status of the Digital Natural Motion setting, as set by the customer. Possible values are “Off”, “Minimum” and “Maximum”. See DFU on how to change this item.
- **Pixel Plus.** Gives the last status of the Pixel Plus setting, as set by the customer. Possible values are “On” and “Off”. See DFU on how to change this item.
- **DNR.** Gives the last status of the DNR setting, as set by the customer. Possible values are “Off”, “Minimum”, “Medium” and “Maximum”. See DFU on how to change this item.
- **Noise Figure.** Gives the noise ratio for the selected transmitter. This value can vary from 0 (good signal) to 127 (average signal) and to 255 (bad signal). For some software versions, the noise figure will only be valid when “Active Control” is set to “medium” or “maximum” before activating CSM. Noise figure is not applicable for DVBT channels.
- **Headphone Volume.** Gives the last status of the headphone volume, as set by the customer. The value can vary from 0 (volume is minimum) to 100 (volume is maximum). See DFU on how to change this item.
- **Dolby.** Indicates whether the received transmitter transmits Dolby sound (“ON”) or not (“OFF”). Attention: The presence of Dolby can only be tested by the software on the Dolby Signalling bit. If a Dolby transmission is received without a Dolby Signalling bit, this indicator will show “OFF” even though a Dolby transmission is received.

- **Surround Mode.** Indicates the by the customer selected sound mode (or automatically chosen mode). Possible values are “STEREO” and “VIRTUAL DOLBY SURROUND”. It can also have been selected automatically by signalling bits (internal software). See DFU on how to change this item.
- **Centre Input.** Not applicable for this chassis.
- **Audio System.** Gives information about the audible audio system. Possible values are “Stereo”, ”Mono”, “Mono selected”, “Dual I”, “Dual II”, “Nicam Stereo”, “Nicam mono”, Nicam dual I”, “Nicam dual II”, “Nicam available”, “Analog In: No Dig. Audio”, “Dolby Digital 1+1”, “Dolby Digital 1/0”, “Dolby Digital 2/0”, “Dolby Digital 2/1”, “Dolby Digital 2/2”, “Dolby Digital 3/0”, “Dolby Digital 3/1”, “Dolby Digital 3/2”, “Dolby Digital Dual I”, “Dolby Digital Dual II”, “MPEG 1+1”, “MPEG 1/0”, “MPEG 2/0” and “Not supported signal”. This is the same info as you will see when pressing the “INFO” button in normal user mode (item “Sound”). When the audio is muted, there will be no info displayed.
- **AVL.** Indicates the last status of AVL (Automatic Volume Level) as set by the customer: See DFU on how to change this item.
- **Delta Volume.** Indicates the last status of the delta volume for the selected preset as set by the customer: from “-12” to “+12”. See DFU on how to change this item..
- **Preset Lock.** Indicates if the selected preset has a child lock: “LOCKED” or “UNLOCKED”. See DFU on how to change this item..
- **Child lock.** Indicates if “Child lock” is set to “UNLOCK”, “LOCKED” or “CUSTOM LOCK”. See DFU on how to change this item..
- **Lock after.** Indicates at what time the channel lock is set: “OFF” or e.g. “18:45” (lock time). See DFU on how to change this item.
- **Parental rating lock.** Gives the last status of the parental rating lock as set by the customer. See DFU on how to change this item.
- **Parental rating status.** Gives the value of the parental rating status as sent by the current preset.
- **TV ratings lock.** Only applicable for US.
- **Movie ratings lock.** Only applicable for US.
- **V-Chip TV status.** Only applicable for US.
- **V-Chip movie status.** Only applicable for US.
- **Region rating status (RRT).** Only applicable for US.
- **On timer.** Indicates if the “On timer” is set “ON” or “OFF” and when it is set to “ON”, also start time, start day and program number is displayed. See DFU on how to change this item.
- **Location.** Gives the last status of the location setting as set via the installation menu. Possible values are “Shop” and “Home”. If the location is set to “Shop”, several settings are fixed. So for a customer location must be set to “Home”. Can be changed via the installation menu (see also DFU).
- **HDMI key validity.** Indicates if the HDMI keys (or HDCP keys) are valid or not. In case these keys are not valid and the customer wants to make use of the HDMI functionality, the SSB has to be replaced.
- **IEEE key validity.** Not applicable.
- **POD key validity.** Not applicable.
- **Tuner Frequency.** Indicates the frequency the selected transmitter is tuned to.
- **TV System.** Gives information about the video system of the selected transmitter. In case a DVBT signal is received this item will also show ATSC.
  - BG: PAL BG signal received
  - DK: PAL DK signal received
  - L/La: SECAM L/La signal received
  - I: PAL I signal received
  - M: NTSC M signal received
  - ATSC: ATSC or DVBT signal received

- **Source.** Indicates which source is used and the video quality of the selected source. (Example: Tuner, Video) Source: “TUNER”, “EXT1”, “EXT2”, “EXT3”, “EXT4”, “YPbPr1”, “YPbPr2”, “VGA”, “DVI-I”, ““HDMI 1”, “HDMI 2”, “SIDE” and “DVI”. Video signal quality: “VIDEO”, “S-VIDEO”, “RGB 1FH”, “YUV”, “VGA”, “SVGA”, “XGA”, “CVBS”, Y/C”, “YPBPR 1FH 480p”, “YPBPR 1FH 576p”, “YPBPR 1FH 1080I”, “YPBPR 2FH 480p”, “YPBPR 2FH 576p”, “YPBPR 2FH 1080i”, “RGB 2FH 480p”, “RGB 2FH 576p”, “RGB 2FH 1080i”, “720p” or “Unsupported”.
- **Tuned Bit.** Due to the DVBT architectural setup this item does not give useful information any more.
- **Digital signal modulation.** No useful information for Service purposes.
- **12NC one zip SW.** Displays the 12NC number of the one-zip file as it is used for programming software in production. In this one-zip file all below software version can be found.
- **Initial main SW.** Displays the main software version which was initially loaded by the factory.
- **Current main SW.** Displays the built-in main software version. In case of field problems related to software, software can be upgraded. As this software is consumer upgradable, it will also be published on the Internet. Example: BX31E_1.2.3.4.
- **Flash utils SW.** Displays the software version of the software which contains all necessary components of the download application. To program this software, EJTAG tooling is needed. Example: FLASH_1.1.0.0.
- **Standby SW.** Displays the built-in standby processor software version. Upgrading this software will be possible via ComPair or via USB.(see chapter Software upgrade). Example: STDBY_3.0.1.2.
- **MOP SW.** Displays the MOP software version in case there is a MOP present.
- **Pacific 3 Flash SW.** Displays the Pacific 3 software version.
- **NVM version.** Displays the NVM version as programmed by factory.

***How to Exit CSM***

Press “MENU” on the RC-transmitter.

### 5.2.4 Service Mode of Inverter Boards for Ambi Light

***Purpose***
To switch on the lamps manually in case I$^2$C-bus triggering fails.

The Service Mode can be activated by disconnecting connectors 1M59 and 1M49 and then by shorting for a moment the two solder pads [1] on the Ambi Light Inverter Panel (jumper 0101). See figure “Service Mode pads”. In case of absence of this jumper (older boards), short pin 5 of connector 1M59 to ground. Refer to chapter “Circuit diagrams and PWB Layouts” for details.

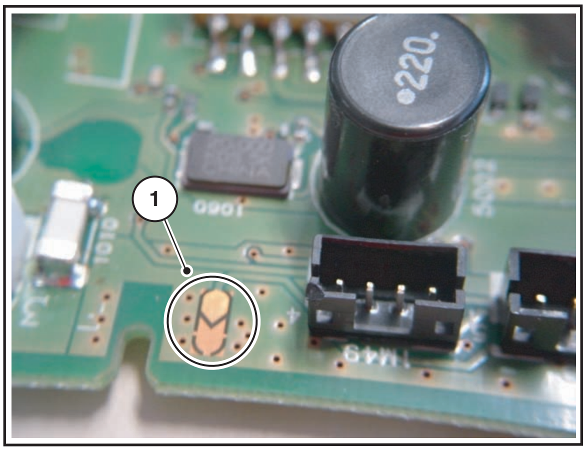

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**Figure 5-3 Service Mode pads AmbiLight panel**

In this chassis, both single and double fitted boards can be used. The double fitted boards are used in sets with 3 or 4 sided Ambi Light units whereas the single fitted boards are used in sets with 2 sided Ambi Light units. A double fitted board can drive 2 lamp units (6 lamps) and a single fitted board can drive 1 lamp unit (3 lamps).

The double fitted boards are supplied by +12Va and +12Vb. The microprocessor is supplied by +12Va.
Therefore, if only +12Va is available, lamp unit B will not work. See figure “Building blocks of Converter Board” for details.

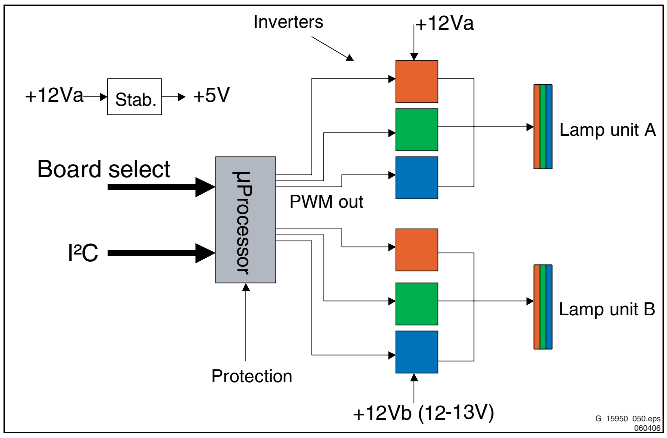


**Figure 5-4 Building blocks of Converter Board**

The microprocessor performs the following tasks:

- Dimming of Ambi Light by means of PWM.
- Translation of I$^2$C-bus commands to PWM.
- Switches the Ambi Light board to protection if needed (in case of protection only the lamps switch off, no set protection is triggered).

There are two ways of protection: parallel arcing protection and serial arcing protection.
**Parallel arcing protection** is performed by sensing the switching frequency. In case of short circuit of the transformer output, this frequency > 100 kHz and the board goes into protection.
**Serial arcing protection** is performed by detection of arc in ground wire of the lamp units. In this case, the protection pulse is transmitted via an opto-coupler.
Protection can be disabled by short-circuiting diode 6112 or capacitor 2173 or by connecting pin 8 of the microprocessor to ground.

***Repair Tips***
In case only one or no lamp unit at all works, probably the +12Vb (12 - 13 V) is not available or the fuse is broken. Check for broken MOSFETS or check if they are switched off properly by the transistors connected to the PWM outputs of the microprocessor.

In case the Ambi Light switches off after two seconds, serial arcing or parallel arcing protection is active. Serial arcing protection can be excluded by disconnecting the opto-coupler; check for bad solder joints on transformer or lamp units. Parallel arcing protection can be disabled by grounding pin 8 of the microprocessor. Usually the switching frequency (normally 63 kHz) will then be too high. Possible causes are one MOSFET of the converter has no gate drive or is broken, or there is a short-circuit of the output of the transformer.

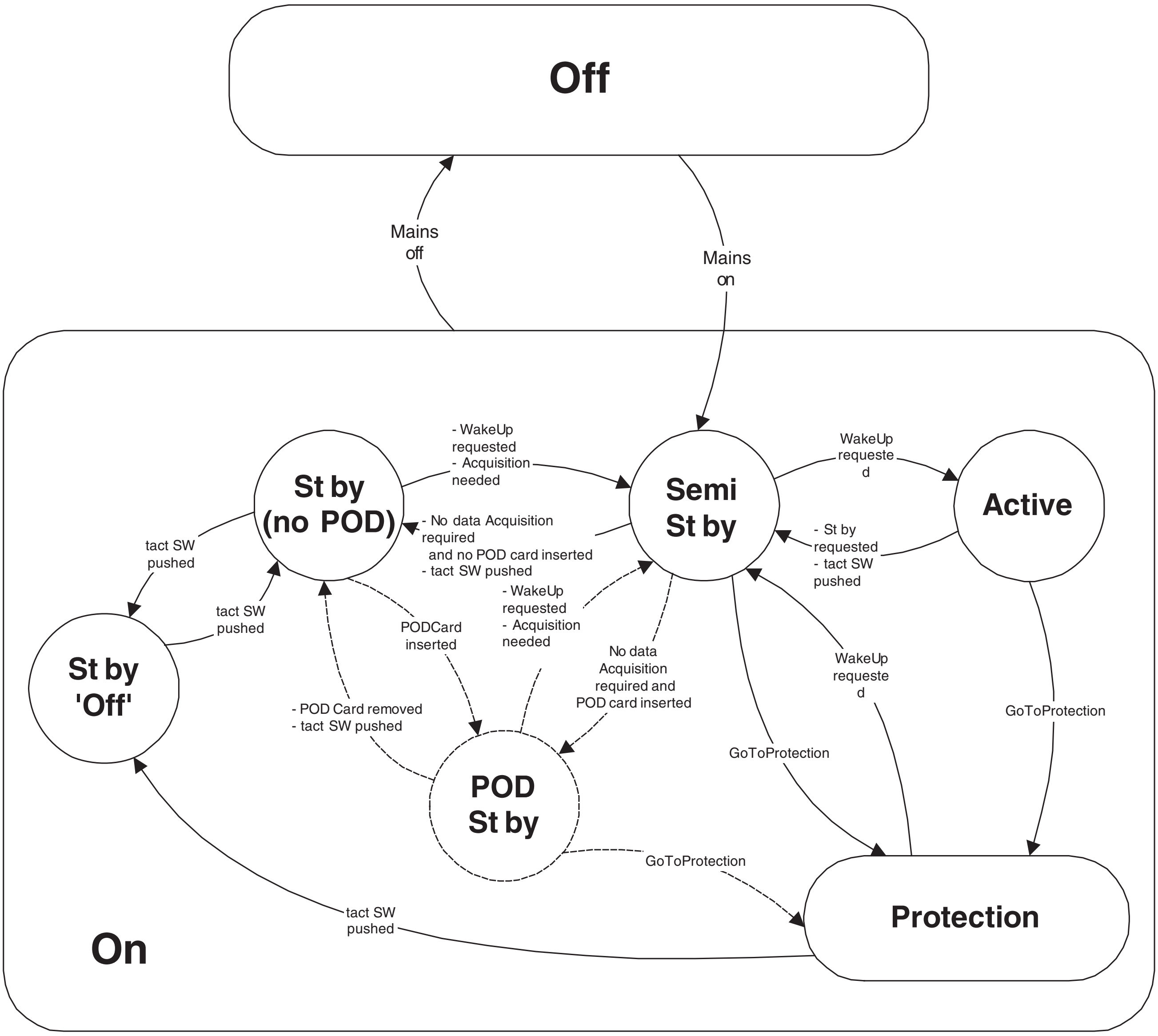
## 5.3 Stepwise Start-up

The stepwise start-up method, as known from FTL/FTP sets (EMG based sets) is not valid any more. There are two possible situations: one for protections detected by standby software and one for protections detected by main software.
When the TV is in a protection state due to an error detected by standby software (and thus blinking an error) **and** SDM is activated via shortcutting the pins on the SSB, the TV starts up until it reaches the situation just before protection. So, this is a kind of automatic stepwise start-up. In combination with the start-up diagrams below, you can see which supplies are present at a certain moment. Important to know here is, that if e.g. the 3V3 detection fails (and thus error 11 is blinking) **and** the TV is restarted via SDM, the Standby Processor will enable the 3V3, but will not go to protection now. The TV will stay in this situation until it is reset (Mains/AC Power supply interrupted).
When the TV is in protection state due to an error detected by main software (Viper protection) **and** SDM is activated via shortcutting the pins on the SSB, the TV starts up and ignores the error. Due to architectural reasons it is possible that the TV will end up in an undefined state (e.g. when the fast I$^2$C bus is blocked). In this case diagnose has to be done via ComPair.

The abbreviations “SP” and “MP” in the figures stand for:

- SP: protection or error detected by the **S**tand-by **P**rocessor.
- MP: protection or error detected by the VIPER **M**ain **P**rocessor.

**Note:** In the next transition diagrams for “POD” should be read “Common Interface (CI)”. For analogue sets, any reference to “POD” should be neglected.


Off
Mains off
Mains on
On
St by (no POD)
Semi St by
Active
St by 'Off'
POD St by
Protection
- WakeUp requested
- Acquisition needed
- No data Acquisition required
and no POD card inserted
- tact SW pushed
WakeUp requested
- St by requested
- tact SW pushed
tact SW pushed
tact SW pushed
PODCard inserted
- WakeUp requested
- Acquisition needed
No data Acquisition required and POD card inserted
WakeUp requested
- POD Card removed
- tact SW pushed
GoToProtection
GoToProtection
GoToProtection
tact SW pushed

The protection state is hardware wise identical to the standby state but has other, limited wake up reasons.

The POD st-by mode is currently not used in a Full Jaguar (FJ) environment since all US products use the Baby Jaguar (BJ) platform and a POD st-by mode is of no use in a non US environment.

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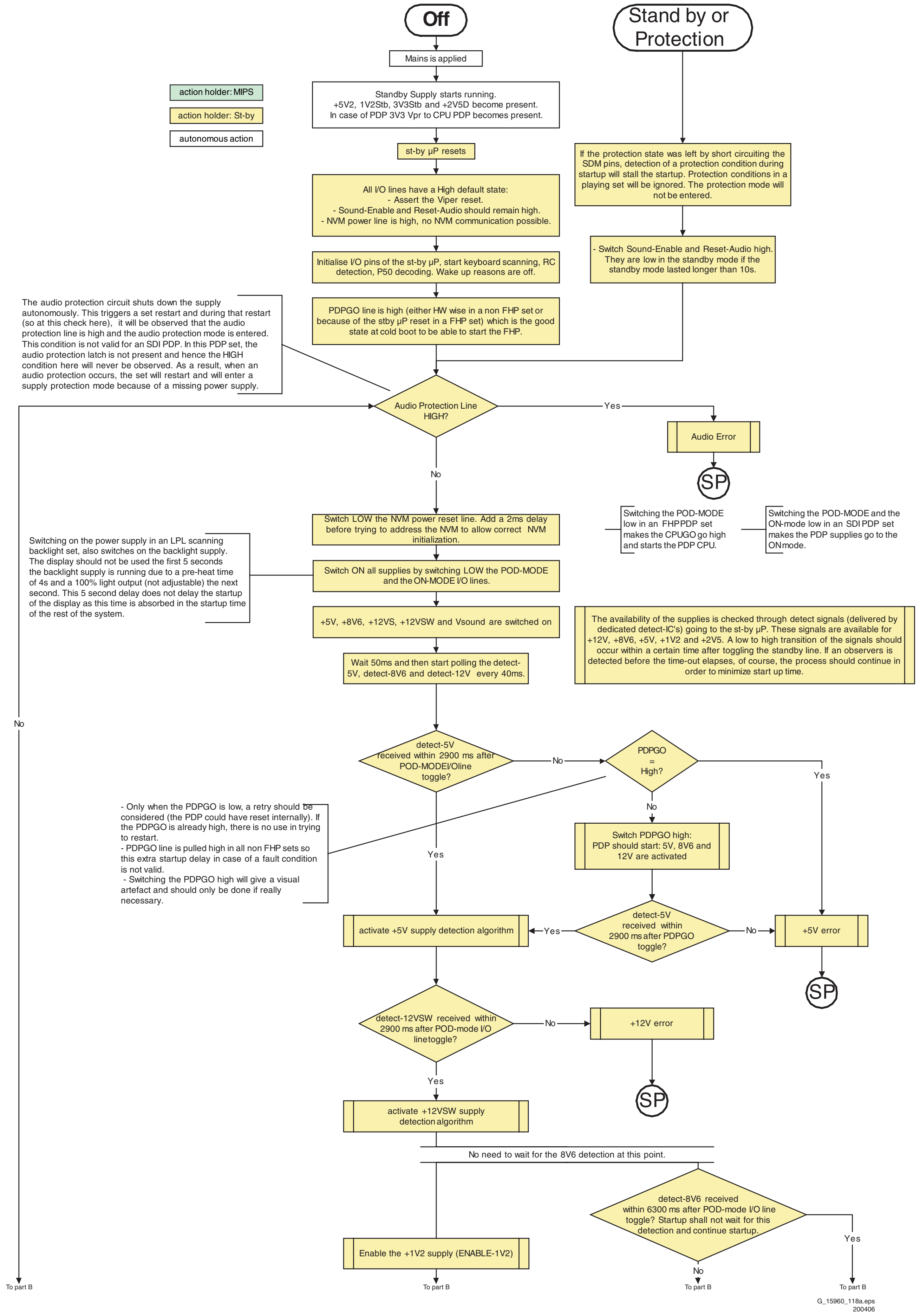
**Figure 5-5 Transition diagram**


Off
Stand by or Protection
Mains is applied
action holder: MIPS
action holder: St-by
autonomous action
Standby Supply starts running.
+5V2, 1V2Stb, 3V3Stb and +2V5D become present.
In case of PDP 3V3 Vpr to CPU PDP becomes present.
st-by µP resets
If the protection state was left by short circuiting the SDM pins, detection of a protection condition during startup will stall the startup. Protection conditions in a playing set will be ignored. The protection mode will not be entered.
All I/O lines have a High default state:
- Assert the Viper reset.
- Sound-Enable and Reset-Audio should remain high.
- NVM power line is high, no NVM communication possible.
- Switch Sound-Enable and Reset-Audio high. They are low in the standby mode if the standby mode lasted longer than 10s.
Initialise I/O pins of the st-by µP, start keyboard scanning, RC detection, P50 decoding. Wake up reasons are off.
The audio protection circuit shuts down the supply autonomously. This triggers a set restart and during that restart (so at this check here), it will be observed that the audio protection line is high and the audio protection mode is entered. This condition is not valid for an SDI PDP. In this PDP set, the audio protection latch is not present and hence the HIGH condition here will never be observed. As a result, when an audio protection occurs, the set will restart and will enter a supply protection mode because of a missing power supply.
PDPGO line is high (either HW wise in a non FHP set or because of the stby µP reset in a FHP set) which is the good state at cold boot to be able to start the FHP.
Audio Protection Line HIGH?
Yes
Audio Error
SP
No
Switching the POD-MODE low in an FHP PDP set makes the CPUGO go high and starts the PDP CPU.
Switching the POD-MODE and the ON-mode low in an SDI PDP set makes the PDP supplies go to the ON mode.
Switch LOW the NVM power reset line. Add a 2ms delay before trying to address the NVM to allow correct NVM initialization.
Switching on the power supply in an LPL scanning backlight set, also switches on the backlight supply. The display should not be used the first 5 seconds the backlight supply is running due to a pre-heat time of 4s and a 100% light output (not adjustable) the next second. This 5 second delay does not delay the startup of the display as this time is absorbed in the startup time of the rest of the system.
Switch ON all supplies by switching LOW the POD-MODE and the ON-MODE I/O lines.
+5V, +8V6, +12VS, +12VSW and Vsound are switched on
The availability of the supplies is checked through detect signals (delivered by dedicated detect-IC's) going to the st-by µP. These signals are available for +12V, +8V6, +5V, +1V2 and +2V5. A low to high transition of the signals should occur within a certain time after toggling the standby line. If an observers is detected before the time-out elapses, of course, the process should continue in order to minimize start up time.
Wait 50ms and then start polling the detect-5V, detect-8V6 and detect-12V every 40ms.
No
detect-5V received within 2900 ms after POD-MODE I/O line toggle?
No
PDPGO = High?
Yes
- Only when the PDPGO is low, a retry should be considered (the PDP could have reset internally). If the PDPGO is already high, there is no use in trying to restart.
- PDPGO line is pulled high in all non FHP sets so this extra startup delay in case of a fault condition is not valid.
- Switching the PDPGO high will give a visual artefact and should only be done if really necessary.
No
Switch PDPGO high: PDP should start: 5V, 8V6 and 12V are activated
Yes
activate +5V supply detection algorithm
Yes
detect-5V received within 2900 ms after PDPGO toggle?
No
+5V error
SP
detect-12VSW received within 2900 ms after POD-mode I/O line toggle?
No
+12V error
SP
Yes
activate +12VSW supply detection algorithm
No need to wait for the 8V6 detection at this point.
detect-8V6 received within 6300 ms after POD-mode I/O line toggle? Startup shall not wait for this detection and continue startup.
Yes
No
Enable the +1V2 supply (ENABLE-1V2)
To part B
To part B
To part B
To part B
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200406

Figure 5-6 “Off” to “Semi Standby” flowchart (part 1)

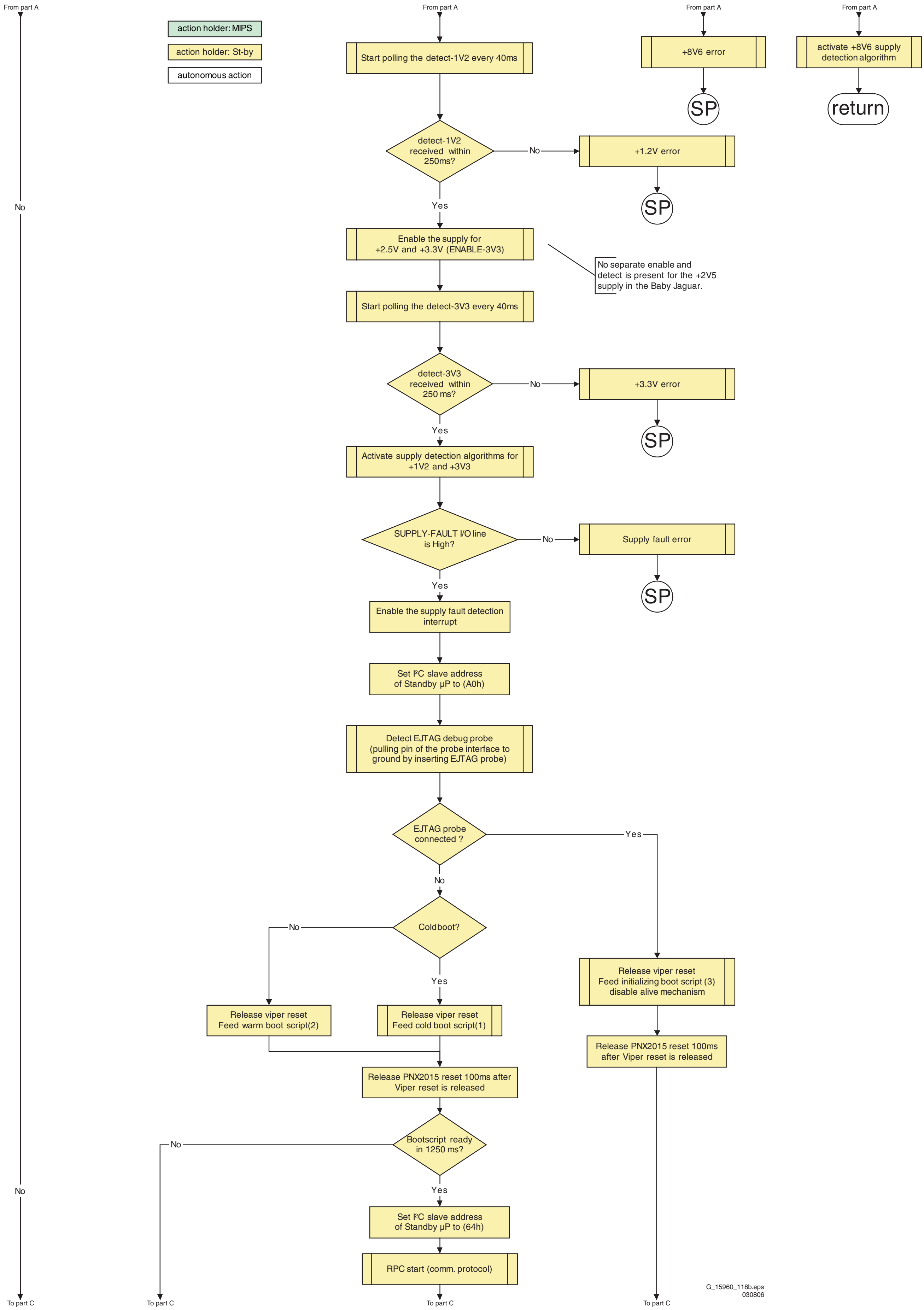
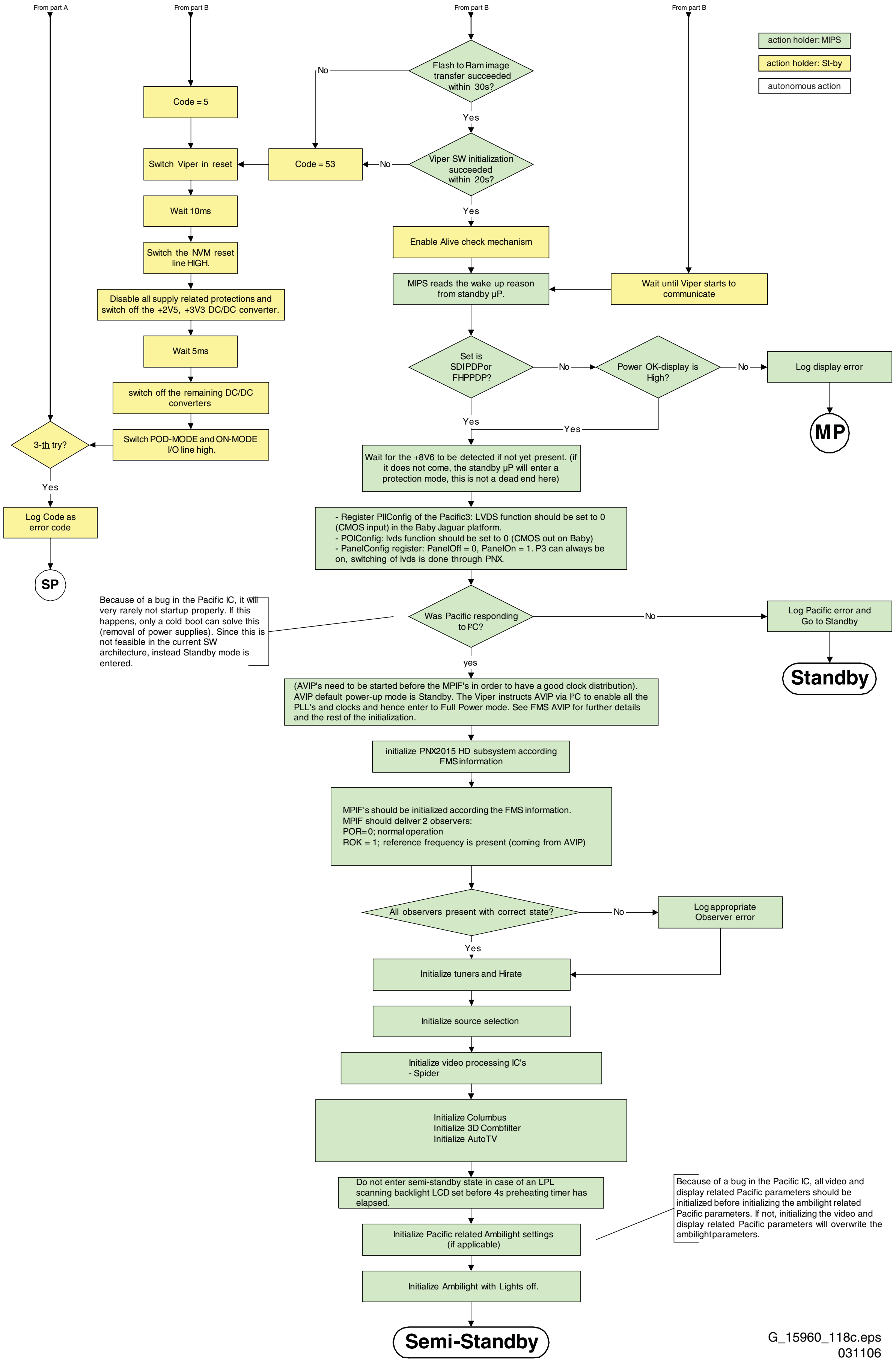

From part A
From part A
From part A
From part A
action holder: MIPS
action holder: St-by
autonomous action
Start polling the detect-1V2 every 40ms
+8V6 error
SP
activate +8V6 supply detection algorithm
return
detect-1V2 received within 250ms?
No
+1.2V error
SP
No
Yes
Enable the supply for +2.5V and +3.3V (ENABLE-3V3)
No separate enable and detect is present for the +2V5 supply in the Baby Jaguar.
Start polling the detect-3V3 every 40ms
detect-3V3 received within 250 ms?
No
+3.3V error
SP
Yes
Activate supply detection algorithms for +1V2 and +3V3
SUPPLY-FAULT I/O line is High?
No
Supply fault error
SP
Yes
Enable the supply fault detection interrupt
Set $I^2C$ slave address of Standby µP to (A0h)
Detect EJTAG debug probe (pulling pin of the probe interface to ground by inserting EJTAG probe)
EJTAG probe connected ?
Yes
No
Coldboot?
No
Yes
Release viper reset Feed initializing boot script (3) disable alive mechanism
Release viper reset Feed warm boot script(2)
Release viper reset Feed cold boot script(1)
Release PNX2015 reset 100ms after Viper reset is released
Release PNX2015 reset 100ms after Viper reset is released
Bootscript ready in 1250 ms?
No
No
Yes
Set $I^2C$ slave address of Standby µP to (64h)
RPC start (comm. protocol)
To part C
To part C
To part C
To part C
G_15960_118b.eps
030806

Figure 5-7 “Off” to “Semi Standby” flowchart (part 2)


From part A
From part B
From part B
From part B
action holder: MIPS
action holder: St-by
autonomous action
Flash to Ram image transfer succeeded within 30s?
No
Yes
Code = 5
Switch Viper in reset
Code = 53
No
Viper SW initialization succeeded within 20s?
Yes
Wait 10ms
Enable Alive check mechanism
Switch the NVM reset line HIGH.
MIPS reads the wake up reason from standby µP.
Wait until Viper starts to communicate
Disable all supply related protections and switch off the +2V5, +3V3 DC/DC converter.
Wait 5ms
Set is SDI PDP or FHP PDP?
No
Power OK-display is High?
No
Log display error
switch off the remaining DC/DC converters
Yes
Yes
MP
3-th try?
Switch POD-MODE and ON-MODE I/O line high.
Wait for the +8V6 to be detected if not yet present. (if it does not come, the standby µP will enter a protection mode, this is not a dead end here)
Yes
Log Code as error code
- Register PllConfig of the Pacific3: LVDS function should be set to 0 (CMOS input) in the Baby Jaguar platform.
- POIConfig: lvds function should be set to 0 (CMOS out on Baby)
- PanelConfig register: PanelOff = 0, PanelOn = 1. P3 can always be on, switching of lvds is done through PNX.
SP
Because of a bug in the Pacific IC, it will very rarely not startup properly. If this happens, only a cold boot can solve this (removal of power supplies). Since this is not feasible in the current SW architecture, instead Standby mode is entered.
Was Pacific responding to I²C?
No
Log Pacific error and Go to Standby
yes
Standby
(AVIP's need to be started before the MPIF's in order to have a good clock distribution). AVIP default power-up mode is Standby. The Viper instructs AVIP via I²C to enable all the PLL's and clocks and hence enter to Full Power mode. See FMS AVIP for further details and the rest of the initialization.
initialize PNX2015 HD subsystem according FMS information
MPIF's should be initialized according the FMS information.
MPIF should deliver 2 observers:
POR=0; normal operation
ROK = 1; reference frequency is present (coming from AVIP)
All observers present with correct state?
No
Log appropriate Observer error
Yes
Initialize tuners and Hirate
Initialize source selection
Initialize video processing IC's
- Spider
Initialize Columbus
Initialize 3D Combfilter
Initialize AutoTV
Do not enter semi-standby state in case of an LPL scanning backlight LCD set before 4s preheating timer has elapsed.
Because of a bug in the Pacific IC, all video and display related Pacific parameters should be initialized before initializing the ambilight related Pacific parameters. If not, initializing the video and display related Pacific parameters will overwrite the ambilight parameters.
Initialize Pacific related Ambilight settings (if applicable)
Initialize Ambilight with Lights off.
Semi-Standby

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031106

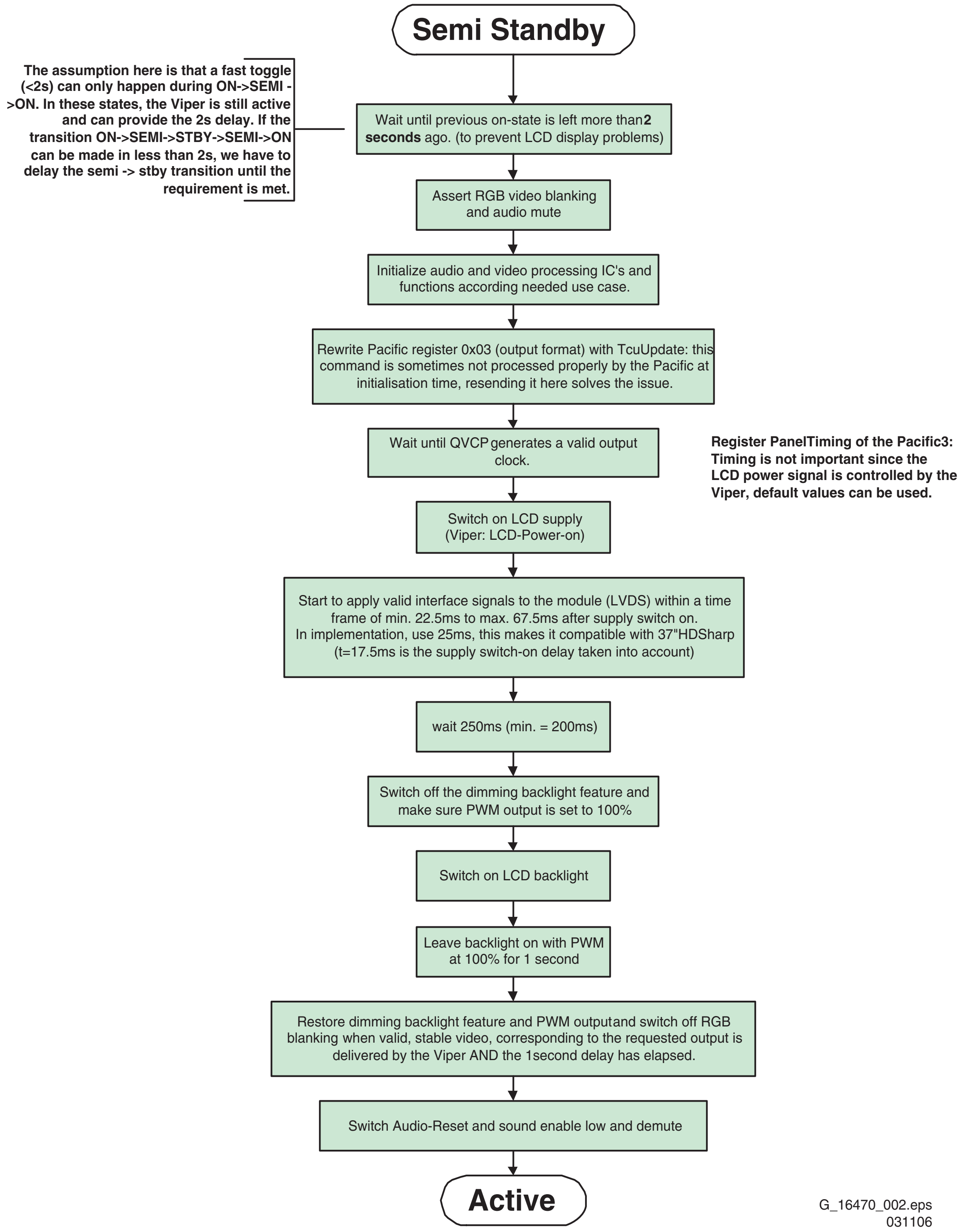
Figure 5-8 “Off” to “Semi Standby” flowchart (part 3)

LCD LPL 26" WX2-SLB2 / 32 "W01-SL06 /
37"WX1-SL04 / 42"WU02-SLB1 / 42" WX3-SLA1 / 42” WX2-SLA1

Constraints taken into account:

- Display may only be started when valid QVCP output clock can be delivered by the Viper.
- Between 5 and 50 ms after power is supplied, display should receive valid lvds clock.
- minimum wait time to switch on the lamp after power up is 200ms.
- To have a reliable operation of the backlight, the backlight should be driven with a PWM duty cycle of 100% during the first second. Only after this first second, the PWM may be set to the required output level (Note that the PWM output should be present before the backlight is switched on). To minimize the artefacts, the picture should only be unblanked after this first second.

🟩 action holder: MIPS
🟨 action holder: St-by
□ autonomous action


Semi Standby
The assumption here is that a fast toggle (<2s) can only happen during ON->SEMI ->ON. In these states, the Viper is still active and can provide the 2s delay. If the transition ON->SEMI->STBY->SEMI->ON can be made in less than 2s, we have to delay the semi -> stby transition until the requirement is met.
Wait until previous on-state is left more than **2 seconds** ago. (to prevent LCD display problems)
Assert RGB video blanking and audio mute
Initialize audio and video processing IC's and functions according needed use case.
Rewrite Pacific register 0x03 (output format) with TcuUpdate: this command is sometimes not processed properly by the Pacific at initialisation time, resending it here solves the issue.
Wait until QVCP generates a valid output clock.
Register PanelTiming of the Pacific3: Timing is not important since the LCD power signal is controlled by the Viper, default values can be used.
Switch on LCD supply (Viper: LCD-Power-on)
Start to apply valid interface signals to the module (LVDS) within a time frame of min. 22.5ms to max. 67.5ms after supply switch on. In implementation, use 25ms, this makes it compatible with 37"HDSharp (t=17.5ms is the supply switch-on delay taken into account)
wait 250ms (min. = 200ms)
Switch off the dimming backlight feature and make sure PWM output is set to 100%
Switch on LCD backlight
Leave backlight on with PWM at 100% for 1 second
Restore dimming backlight feature and PWM outputand switch off RGB blanking when valid, stable video, corresponding to the requested output is delivered by the Viper AND the 1second delay has elapsed.
Switch Audio-Reset and sound enable low and demute
Active

G_16470_002.eps
031106

Figure 5-9 “Semi Standby” to “Active” flowchart 32” & 42” LCD displays

LCD SHARP 32"/37" 1366*768 ASV2.3

Constraints taken into account:
- Display may only be started when valid QVCP output clock can be delivered by the Viper.
- Between 0 and 20 ms after power is supplied, display should receive valid lvds clock.
- minimum wait time to switch on the lamp after power up is 200ms.
- RGB (on QVCP output) may be unblanked before valid output is available. Unblanking of the picture happens with the use of the 'lamp on', not with the RGB. By doing so, black level differences during startup are avoided.

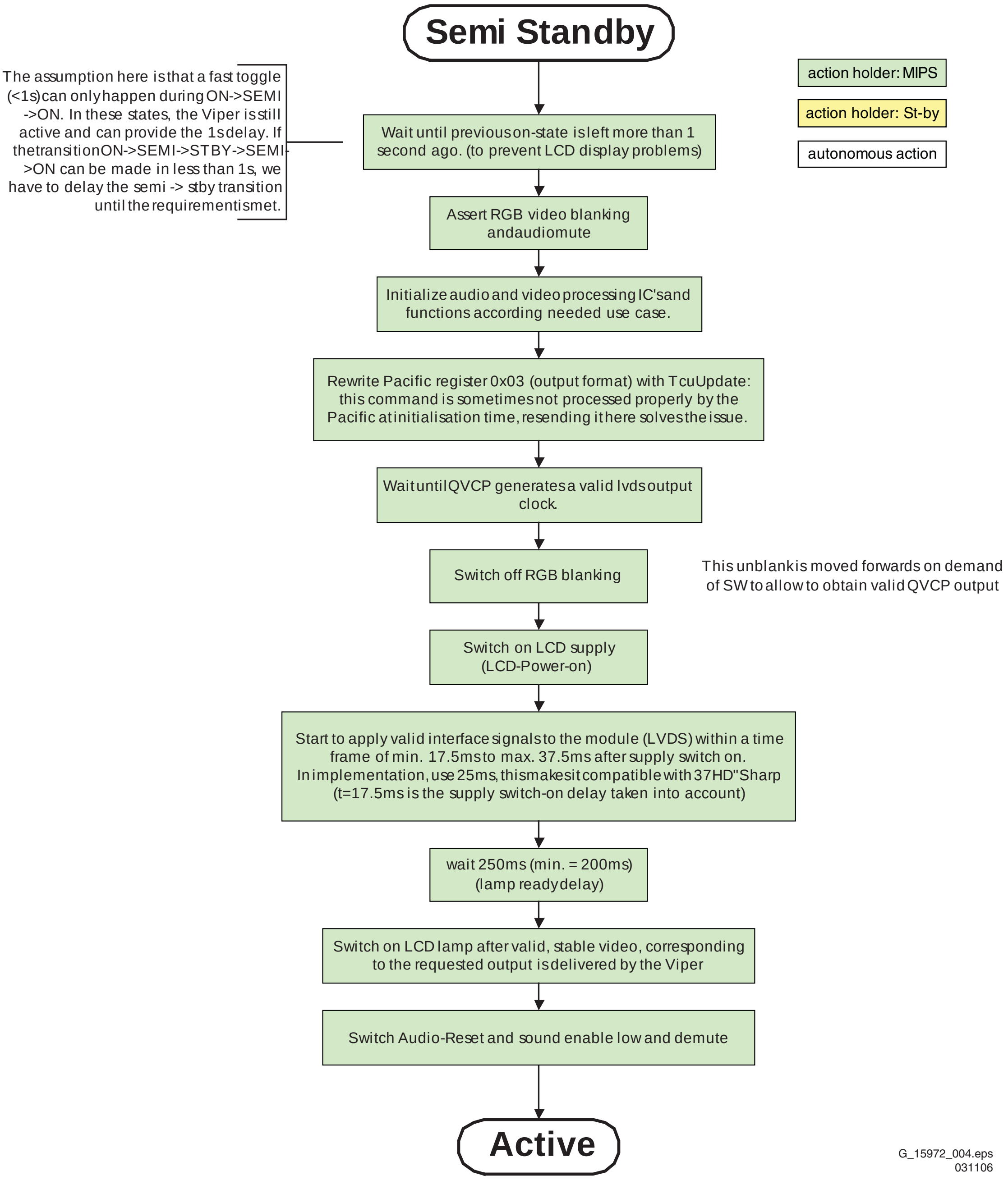

Semi Standby
The assumption here is that a fast toggle (<1s) can only happen during ON->SEMI ->ON. In these states, the Viper is still active and can provide the 1s delay. If the transition ON->SEMI->STBY->SEMI->ON can be made in less than 1s, we have to delay the semi -> stby transition until the requirement is met.
action holder: MIPS
action holder: St-by
autonomous action
Wait until previous on-state is left more than 1 second ago. (to prevent LCD display problems)
Assert RGB video blanking and audio mute
Initialize audio and video processing IC's and functions according needed use case.
Rewrite Pacific register 0x03 (output format) with TcuUpdate: this command is sometimes not processed properly by the Pacific at initialisation time, resending it here solves the issue.
Wait until QVCP generates a valid lvds output clock.
Switch off RGB blanking
This unblank is moved forwards on demand of SW to allow to obtain valid QVCP output
Switch on LCD supply (LCD-Power-on)
Start to apply valid interface signals to the module (LVDS) within a time frame of min. 17.5ms to max. 37.5ms after supply switch on. In implementation, use 25ms, this makes it compatible with 37HD"Sharp (t=17.5ms is the supply switch-on delay taken into account)
wait 250ms (min. = 200ms) (lamp ready delay)
Switch on LCD lamp after valid, stable video, corresponding to the requested output is delivered by the Viper
Switch Audio-Reset and sound enable low and demute
Active
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Figure 5-10 “Semi Standby” to “Active” flowchart 37” SHARP display

## LCD LPL [26"SLB2 / 32"SL06 / 37"SL04 / 42"SLB1 / 42"SLA1] or LCD AUO [26"/32" XW02 V4/V5]

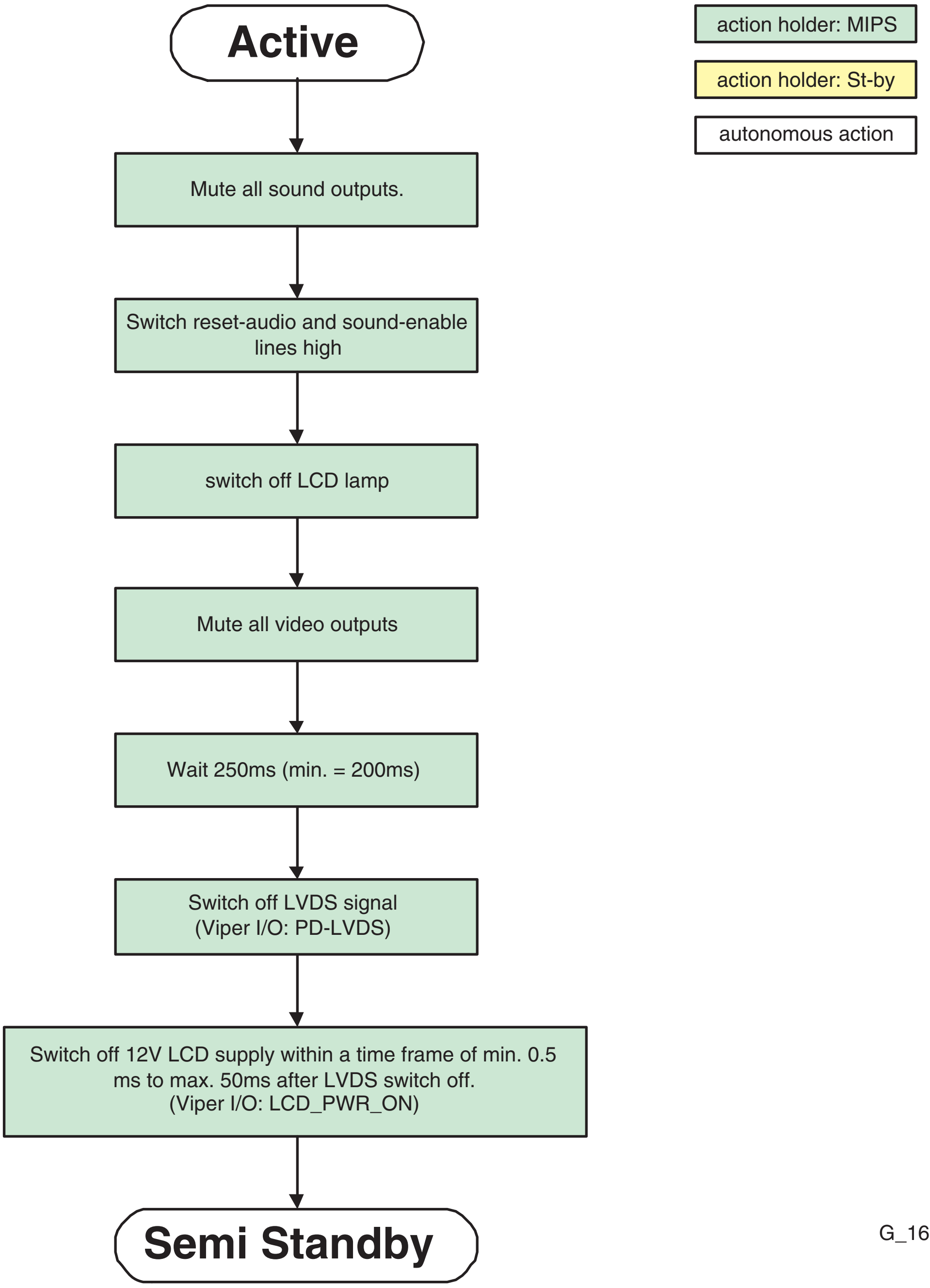
action holder: MIPS
action holder: St-by
autonomous action
Active
Mute all sound outputs.
Switch reset-audio and sound-enable lines high
switch off LCD lamp
Mute all video outputs
Wait 250ms (min. = 200ms)
Switch off LVDS signal (Viper I/O: PD-LVDS)
Switch off 12V LCD supply within a time frame of min. 0.5 ms to max. 50ms after LVDS switch off. (Viper I/O: LCD_PWR_ON)
Semi Standby

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Figure 5-11 “Active” to “Semi Standby” flowchart 32” & 42” LCD displays

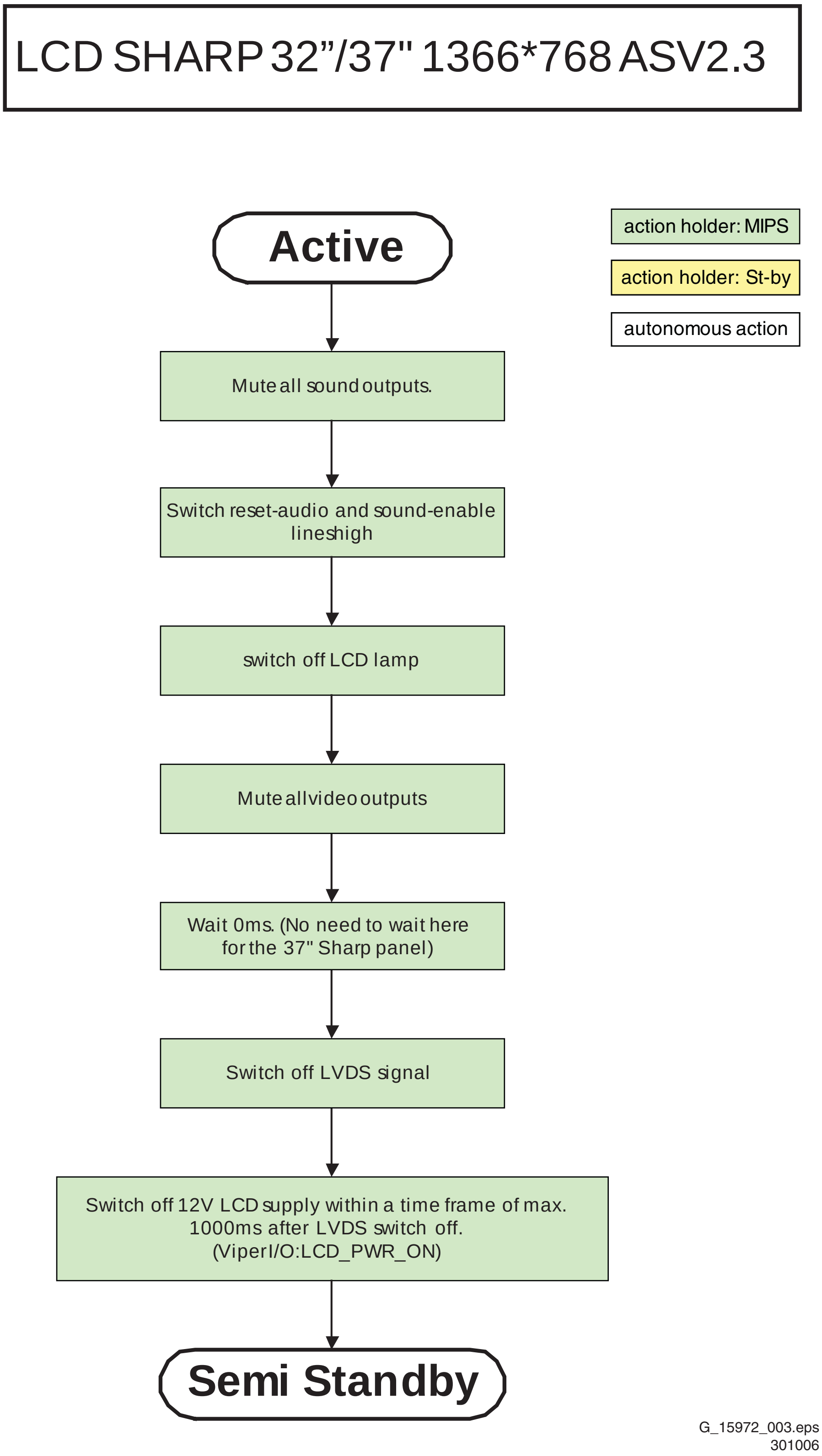
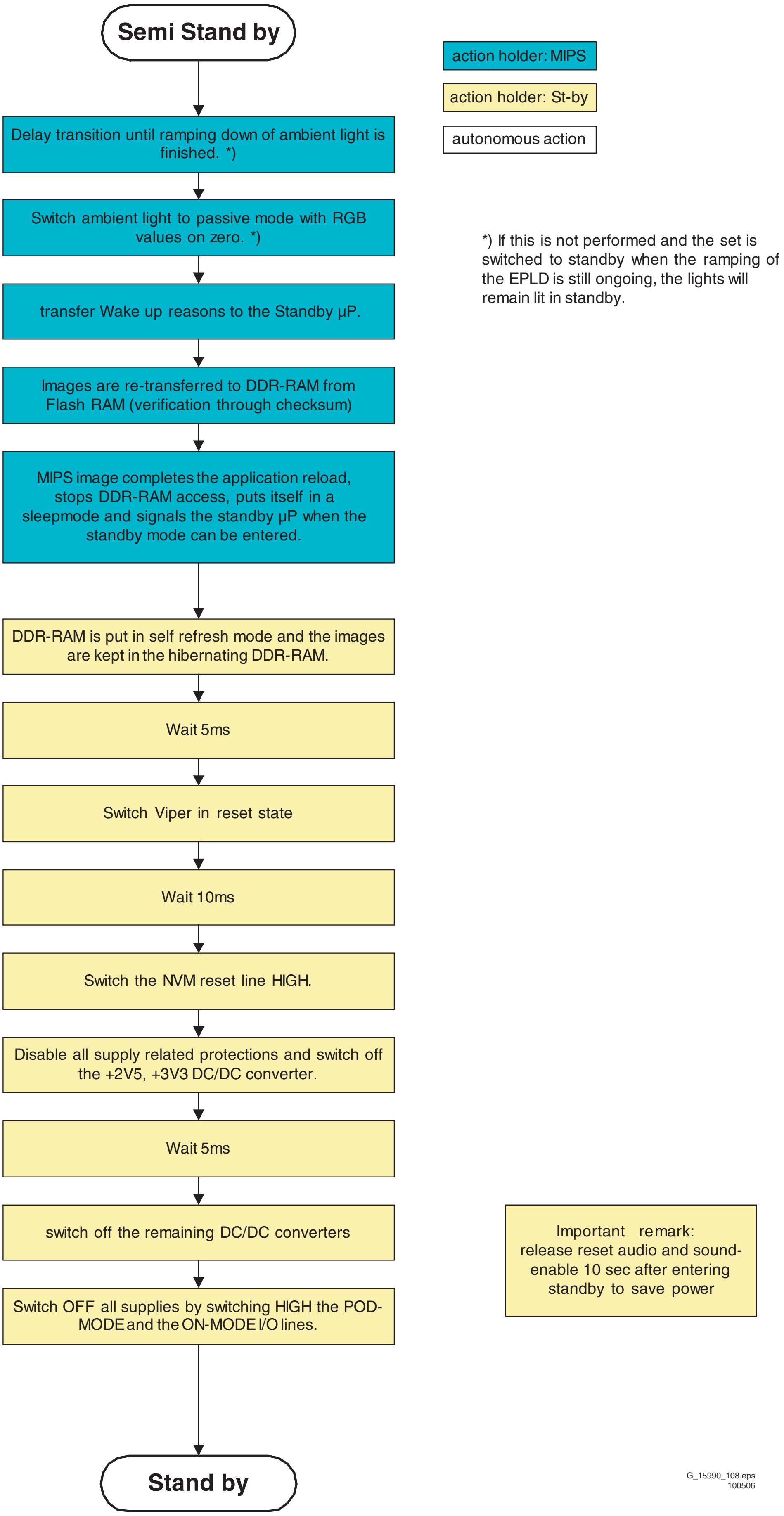
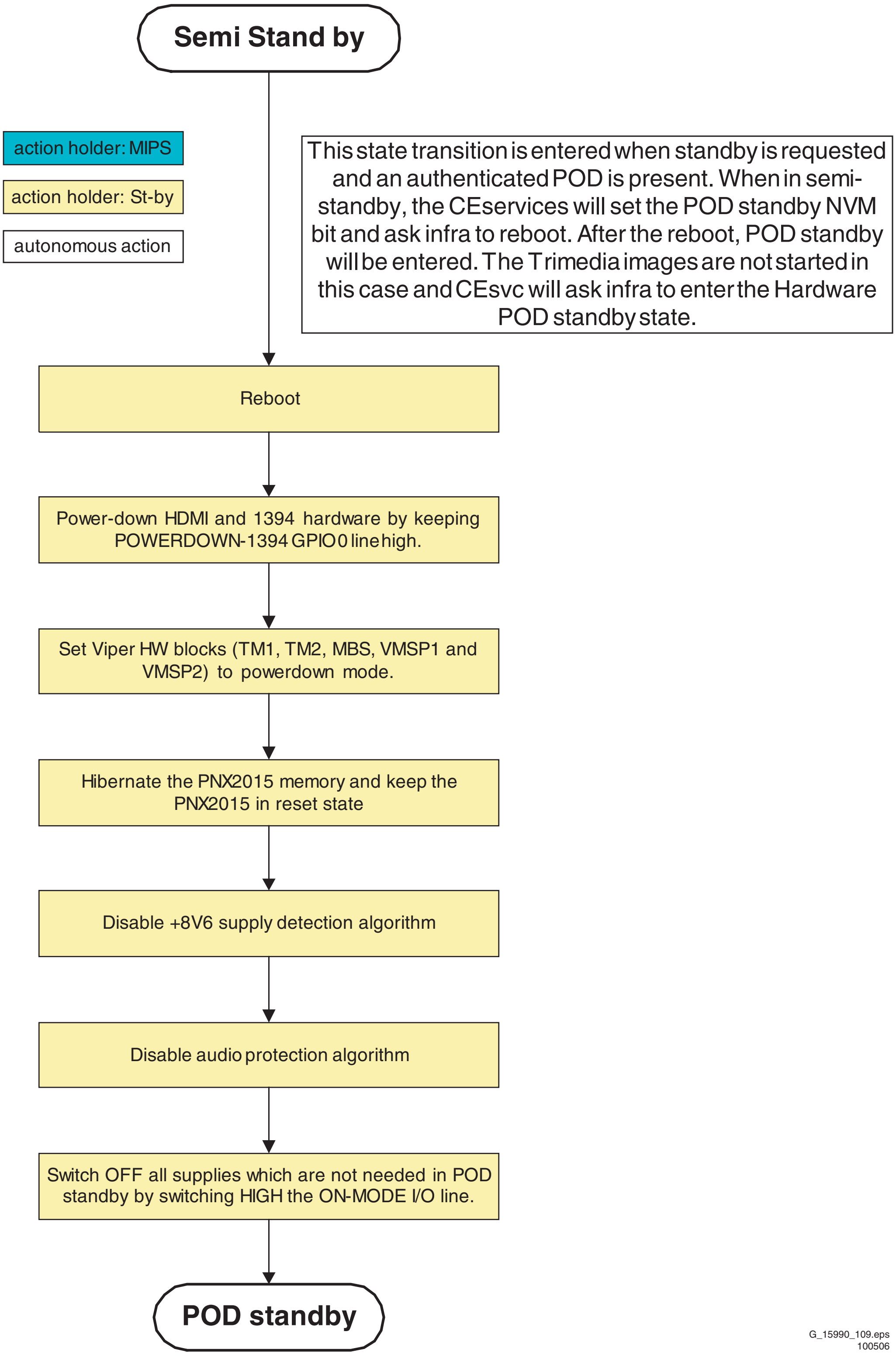

LCD SHARP 32"/37" 1366*768 ASV2.3
action holder: MIPS
action holder: St-by
autonomous action
Active
Mute all sound outputs.
Switch reset-audio and sound-enable lines high
switch off LCD lamp
Mute all video outputs
Wait 0ms. (No need to wait here for the 37" Sharp panel)
Switch off LVDS signal
Switch off 12V LCD supply within a time frame of max. 1000ms after LVDS switch off. (Viper I/O:LCD_PWR_ON)
Semi Standby
G_15972_003.eps
301006

**Figure 5-12 "Active" to "Semi Standby" flowchart 37" SHARP display**


Semi Stand by
action holder: MIPS
action holder: St-by
autonomous action
Delay transition until ramping down of ambient light is finished. *)
Switch ambient light to passive mode with RGB values on zero. *)
transfer Wake up reasons to the Standby µP.
Images are re-transferred to DDR-RAM from Flash RAM (verification through checksum)
MIPS image completes the application reload, stops DDR-RAM access, puts itself in a sleepmode and signals the standby µP when the standby mode can be entered.
DDR-RAM is put in self refresh mode and the images are kept in the hibernating DDR-RAM.
Wait 5ms
Switch Viper in reset state
Wait 10ms
Switch the NVM reset line HIGH.
Disable all supply related protections and switch off the +2V5, +3V3 DC/DC converter.
Wait 5ms
switch off the remaining DC/DC converters
Switch OFF all supplies by switching HIGH the POD-MODE and the ON-MODE I/O lines.
Important remark: release reset audio and sound-enable 10 sec after entering standby to save power
Stand by
G_15990_108.eps
100506

*) If this is not performed and the set is switched to standby when the ramping of the EPLD is still ongoing, the lights will remain lit in standby.

**Figure 5-13 “Semi Standby” to “Standby” flowchart**


Semi Stand by
action holder: MIPS
action holder: St-by
autonomous action
This state transition is entered when standby is requested and an authenticated POD is present. When in semi-standby, the CEservices will set the POD standby NVM bit and ask infra to reboot. After the reboot, POD standby will be entered. The Trimedia images are not started in this case and CEsvc will ask infra to enter the Hardware POD standby state.
Reboot
Power-down HDMI and 1394 hardware by keeping POWERDOWN-1394 GPIO0 line high.
Set Viper HW blocks (TM1, TM2, MBS, VMSP1 and VMSP2) to powerdown mode.
Hibernate the PNX2015 memory and keep the PNX2015 in reset state
Disable +8V6 supply detection algorithm
Disable audio protection algorithm
Switch OFF all supplies which are not needed in POD standby by switching HIGH the ON-MODE I/O line.
POD standby

G_15990_109.eps
100506

Figure 5-14 “Semi Standby” to “POD Standby” flowchart

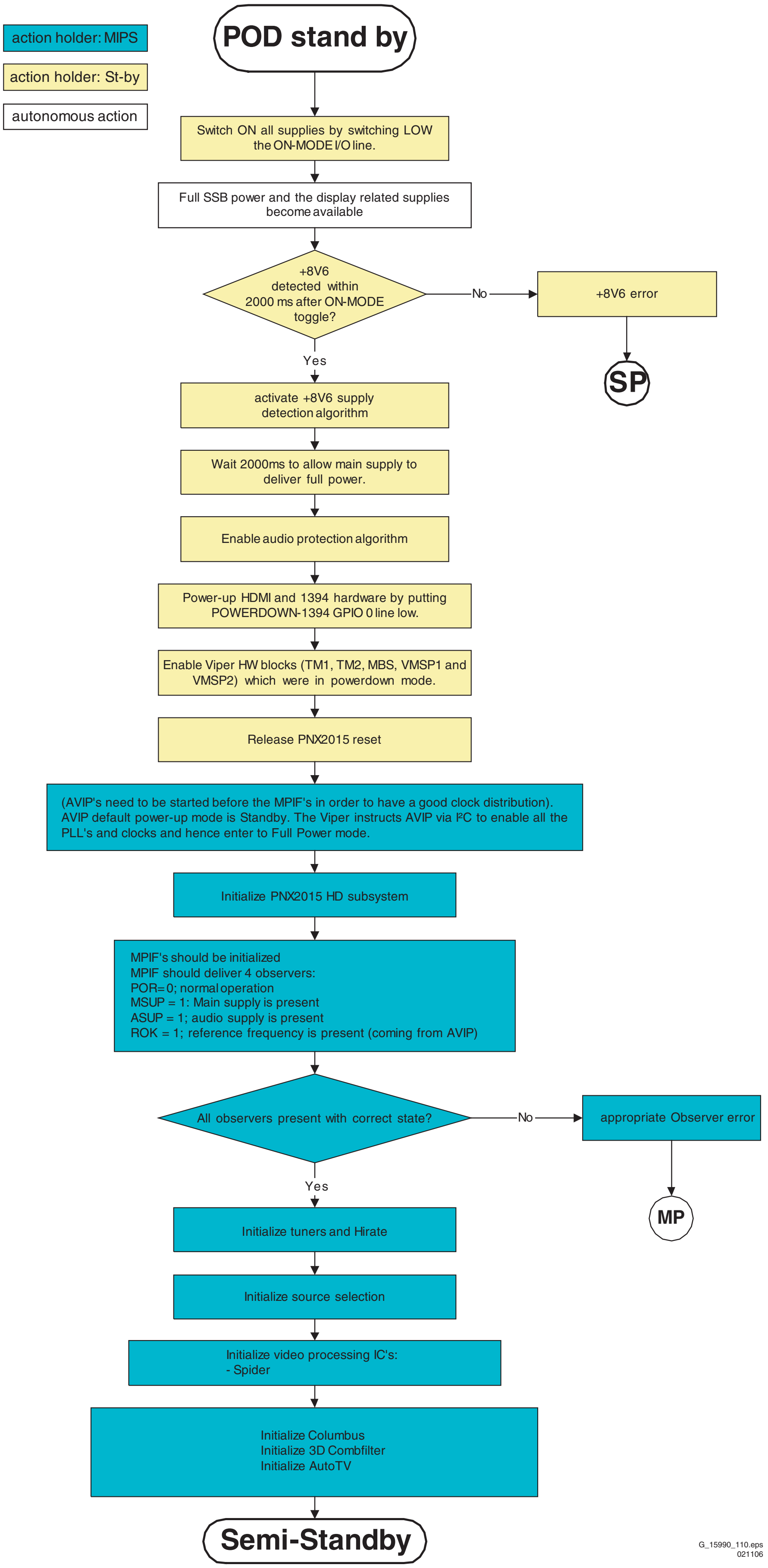

action holder: MIPS
action holder: St-by
autonomous action
POD stand by
Switch ON all supplies by switching LOW the ON-MODE I/O line.
Full SSB power and the display related supplies become available
+8V6 detected within 2000 ms after ON-MODE toggle?
No
+8V6 error
SP
Yes
activate +8V6 supply detection algorithm
Wait 2000ms to allow main supply to deliver full power.
Enable audio protection algorithm
Power-up HDMI and 1394 hardware by putting POWERDOWN-1394 GPIO 0 line low.
Enable Viper HW blocks (TM1, TM2, MBS, VMSP1 and VMSP2) which were in powerdown mode.
Release PNX2015 reset
(AVIP's need to be started before the MPIF's in order to have a good clock distribution). AVIP default power-up mode is Standby. The Viper instructs AVIP via I²C to enable all the PLL's and clocks and hence enter to Full Power mode.
Initialize PNX2015 HD subsystem
MPIF's should be initialized
MPIF should deliver 4 observers:
POR=0; normal operation
MSUP = 1: Main supply is present
ASUP = 1; audio supply is present
ROK = 1; reference frequency is present (coming from AVIP)
All observers present with correct state?
No
appropriate Observer error
MP
Yes
Initialize tuners and Hirate
Initialize source selection
Initialize video processing IC's:
- Spider
Initialize Columbus
Initialize 3D Combfilter
Initialize AutoTV
Semi-Standby
G_15990_110.eps
021106

Figure 5-15 “POD Standby” to “Semi Standby” flowchart

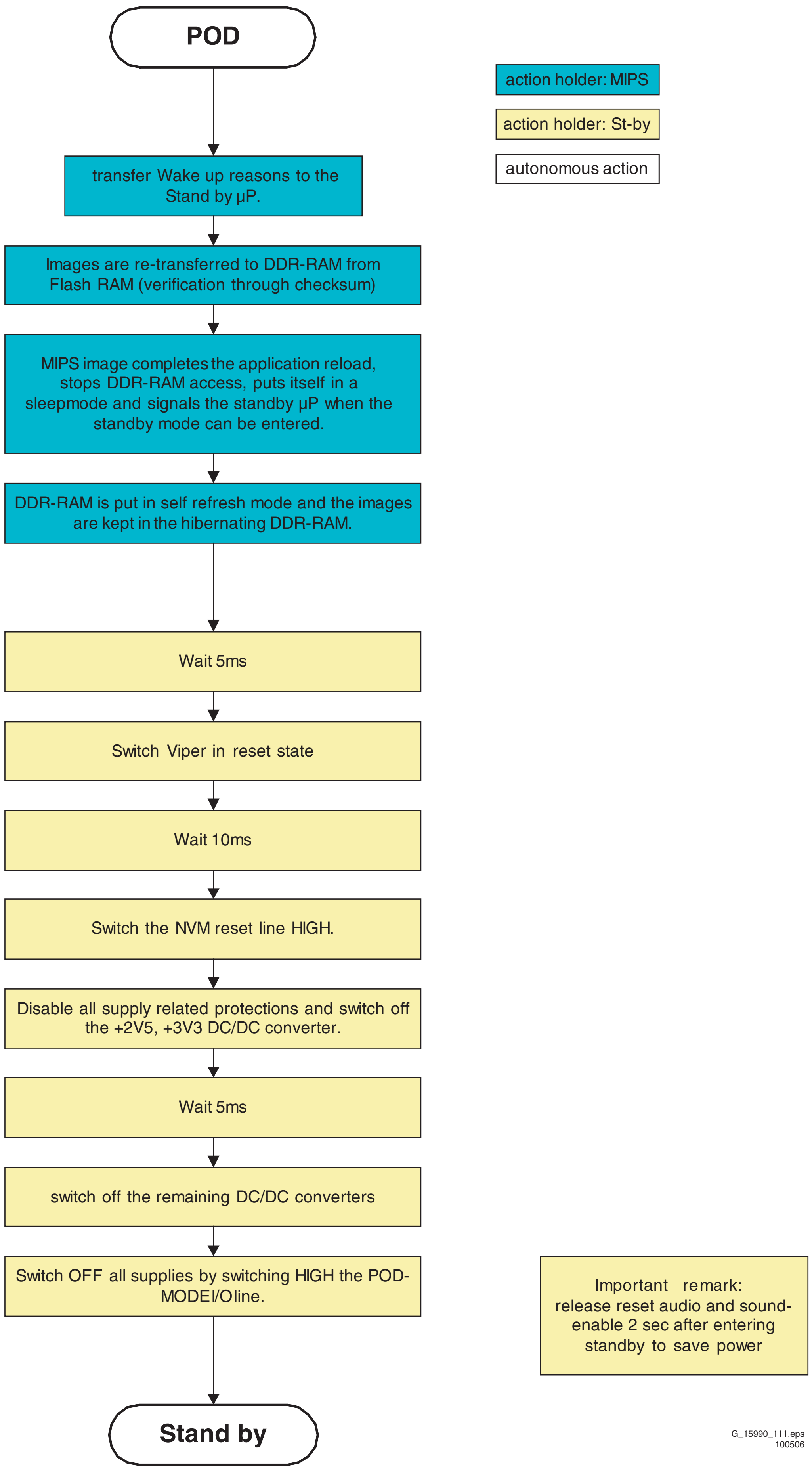

POD
action holder: MIPS
action holder: St-by
autonomous action
transfer Wake up reasons to the Stand by µP.
Images are re-transferred to DDR-RAM from Flash RAM (verification through checksum)
MIPS image completes the application reload, stops DDR-RAM access, puts itself in a sleepmode and signals the standby µP when the standby mode can be entered.
DDR-RAM is put in self refresh mode and the images are kept in the hibernating DDR-RAM.
Wait 5ms
Switch Viper in reset state
Wait 10ms
Switch the NVM reset line HIGH.
Disable all supply related protections and switch off the +2V5, +3V3 DC/DC converter.
Wait 5ms
switch off the remaining DC/DC converters
Switch OFF all supplies by switching HIGH the POD-MODEI/O line.
Important remark: release reset audio and sound-enable 2 sec after entering standby to save power
Stand by
G_15990_111.eps
100506

**Figure 5-16 “POD” to “Standby” flowchart**

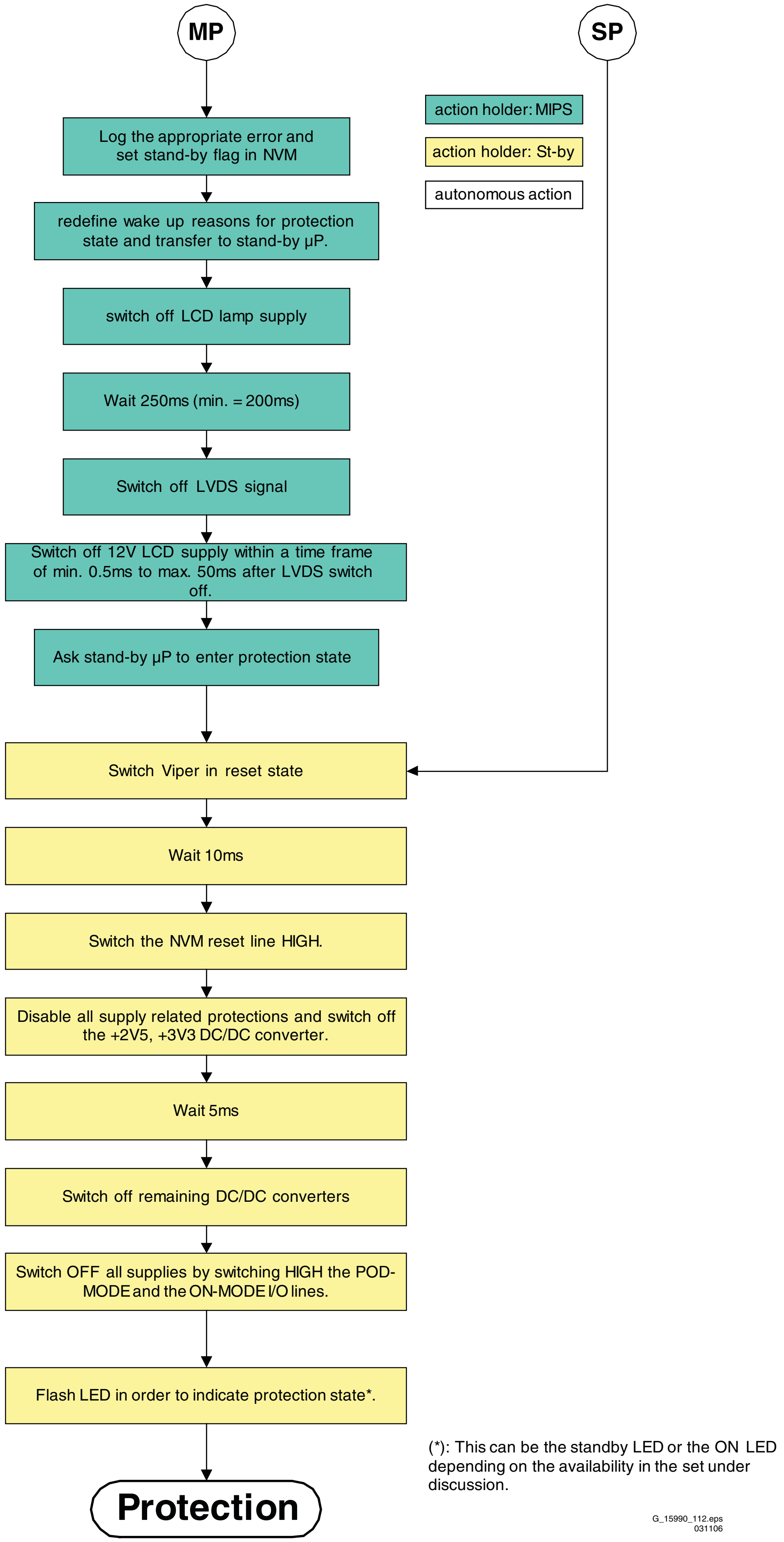

MP
SP
action holder: MIPS
action holder: St-by
autonomous action
Log the appropriate error and set stand-by flag in NVM
redefine wake up reasons for protection state and transfer to stand-by µP.
switch off LCD lamp supply
Wait 250ms (min. = 200ms)
Switch off LVDS signal
Switch off 12V LCD supply within a time frame of min. 0.5ms to max. 50ms after LVDS switch off.
Ask stand-by µP to enter protection state
Switch Viper in reset state
Wait 10ms
Switch the NVM reset line HIGH.
Disable all supply related protections and switch off the +2V5, +3V3 DC/DC converter.
Wait 5ms
Switch off remaining DC/DC converters
Switch OFF all supplies by switching HIGH the POD-MODE and the ON-MODE I/O lines.
Flash LED in order to indicate protection state*.
Protection
(*): This can be the standby LED or the ON LED depending on the availability in the set under discussion.
G_15990_112.eps
031106

Figure 5-17 “Protection” flowchart

## 5.4 Service Tools

### 5.4.1 ComPair

***Introduction***

ComPair (Computer Aided Repair) is a service tool for Philips Consumer Electronics products. ComPair is a further development on the European DST (service remote control), which allows faster and more accurate diagnostics. ComPair has three big advantages:

1. ComPair helps you to quickly get an understanding on how to repair the chassis in a short time by guiding you systematically through the repair procedures.
2. ComPair allows very detailed diagnostics (on $I^2C$ level) and is therefore capable of accurately indicating problem areas. You do not have to know anything about $I^2C$ commands yourself because ComPair takes care of this.
3. ComPair speeds up the repair time since it can automatically communicate with the chassis (when the microprocessor is working) and all repair information is directly available. When ComPair is installed together with the Force/SearchMan electronic manual of the defective chassis, schematics and PWBs are only a mouse click away.

***Specifications***

ComPair consists of a Windows based fault finding program and an interface box between PC and the (defective) product. The ComPair interface box is connected to the PC via a serial (or RS-232) cable.
For this chassis, the ComPair interface box and the TV communicate via a bi-directional service cable via the service connector(s).

The ComPair fault finding program is able to determine the problem of the defective television. ComPair can gather diagnostic information in two ways:

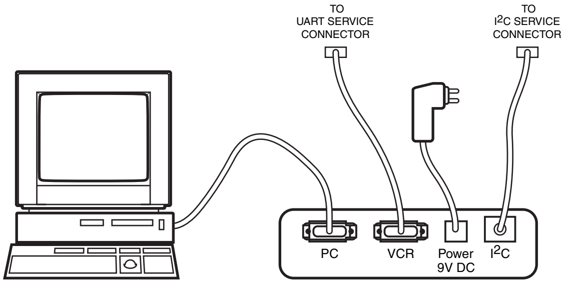
- Automatically (by communicating with the television): ComPair can automatically read out the contents of the entire error buffer. Diagnosis is done on $I^2C$/UART level. ComPair can access the $I^2C$/UART bus of the television. ComPair can send and receive $I^2C$/UART commands to the microcontroller of the television. In this way, it is possible for ComPair to communicate (read and write) to devices on the $I^2C$/UART buses of the TV-set.
- Manually (by asking questions to you): Automatic diagnosis is only possible if the microcontroller of the television is working correctly and only to a certain extent. When this is not the case, ComPair will guide you through the fault finding tree by asking you questions *(e.g. Does the screen give a picture? Click on the correct answer: YES / NO)* and showing you examples *(e.g. Measure test-point I7 and click on the correct oscillogram you see on the oscilloscope)*. You can answer by clicking on a link *(e.g. text or a waveform picture)* that will bring you to the next step in the fault finding process.

By a combination of automatic diagnostics and an interactive question / answer procedure, ComPair will enable you to find most problems in a fast and effective way.

***How to Connect***

This is described in the chassis fault finding database in ComPair.

**Caution:** It is compulsory to connect the TV to the PC as shown in the picture below (with the ComPair interface in between), as the ComPair interface acts as a level shifter. If one connects the TV directly to the PC (via UART), ICs will be blown!



E_06532_021.eps
180804

**Figure 5-18 ComPair interface connection**

***How to Order***

ComPair order codes (EU/AP/LATAM):

- Starter kit ComPair32 software and ComPair interface (excl. transformer): 3122 785 90450.
- ComPair interface (excl. transformer): 3122 785 90520.
- ComPair32 CD (update): 3122 785 60140.
- Transformer (non-UK): 4822 727 21632.
- Transformer (UK): 4822 727 21633.
- ComPair interface cable: 3122 785 90004.
- ComPair interface extension cable: 3139 131 03791.
- ComPair UART interface cable: 3122 785 90630.

**Note:** If you encounter any problems, contact your local support desk.

### 5.4.2 LVDS Tool

***Introduction***

This service tool (also called “ComPair Assistant 1“) may help you to identify, in case the TV does not show any picture, whether the Small Signal Board (SSB) **or** the display of a Flat TV is defective.
Furthermore it is possible to program EPLDs with this tool (Byte blaster). Read the user manual for an explanation of this feature.

Since 2004, the LVDS output connectors in our Flat TV models are standardised (with some exceptions). With the two delivered LVDS interface cables (31p and 20p) you can cover most chassis (in special cases, an extra cable will be offered).

When operating, the tool will show a small (scaled) picture on a VGA monitor. Due to a limited memory capacity, it is not possible to increase the size when processing high-resolution LVDS signals (> 1280x960). Below this resolution, or when a DVI monitor is used, the displayed picture will be full size.

Generally this tool is intended to determine if the SSB is working or not. Thus to determine if LVDS, RGB, and sync signals are okay.

***How to Connect***

Connections are explained in the user manual, which is packed with the tool.

**Note:** To use the LVDS tool, you must have ComPair release 2004-1 (or later) on your PC (engine version >= 2.2.05).
For every TV type number and screen size, one must choose the proper settings via ComPair. The ComPair file will be updated regularly with new introduced chassis information.

***How to Order***

- LVDS tool (incl. two LVDS cables: 31p and 20p):
  3122 785 90671.
- LVDS tool Service Manual:
  3122 785 00810.

- LVDS cable 31p/FI -> 31p/FI (for JL2.1 chassis): 3122 785 90861.
- LVDS cable 30p/DF -> 31p/FI (for LC4.3 chassis): 3122 785 90821.
- LVDS cable 41p/FI -> 31p/FI (dual -> single LVDS): 3122 785 90831.
- LVDS cable 20p/DF -> 20p/DF (standard with tool): 3122 785 90731.
- LVDS cable 31p/FI -> 31p/FI (standard with tool): 3122 785 90662.
- LVDS cable 20p/DF -> 20p/DF (for LC4.1 chassis): 3122 785 90851.

## 5.5 Error Codes

### 5.5.1 Introduction

The error code buffer contains all detected errors since the last time the buffer was erased. The buffer is written from left to right, new errors are logged at the left side, and all other errors shift one position to the right.
When an error occurs, it is added to the list of errors, provided the list is not full. When an error occurs and the error buffer is full, then the new error is not added, and the error buffer stays intact (history is maintained), except when the error is a protection error.
To prevent that an occasional error stays in the list forever, the error is removed from the list after more than 50 hrs. of operation.
When multiple errors occur (errors occurred within a short time span), there is a high probability that there is some relation between them.

Basically there are three kinds of errors:

- **Errors detected by the Standby Processor.** These errors will always lead to protection and an automatic start of the blinking LED for the concerned error (see paragraph “The Blinking LED Procedure”). In these cases SDM can be used to start up (see chapter “Stepwise Start-up”). Note that it can take up to 90 seconds before the TV goes to protection and starts blinking the error (e.g. error 53)
- **Errors detected by VIPER that lead to protection.** In this case the TV will go to protection and the front LED should also blink the concerned error. Depending on the software version it is possible that this mechanism does not work. See also paragraph “Error Codes” -> “Error Buffer” -> “Extra Info”.
- **Errors detected by VIPER that do not lead to protection.** In this case the error will be logged into the error buffer and can be read out via ComPair, via blinking LED method, or in case you have picture, via SAM.

### 5.5.2 How to Read the Error Buffer

Use one of the following methods:

- On screen via the SAM (only if you have a picture). E.g.:
  - **00 00 00 00 00**: No errors detected
  - **06 00 00 00 00**: Error code 6 is the last and only detected error
  - **09 06 00 00 00**: Error code 6 was first detected and error code 9 is the last detected error
- Via the blinking LED procedure (when you have no picture). See next paragraph.
- Via ComPair.

### 5.5.3 How to Clear the Error Buffer

Use one of the following methods:

- By activation of the “RESET ERROR BUFFER” command in the SAM menu.
- With a normal RC, key in sequence “MUTE” followed by “062599” and “OK”.
- If the content of the error buffer has not changed for 50+ hours, it resets automatically.

### 5.5.4 Error Buffer

In case of non-intermittent faults, clear the error buffer before you begin the repair (**before** clearing the buffer, write down the content, as this history can give you significant information). This to ensure that old error codes are no longer present.
If possible, check the entire contents of the error buffer. In some situations, an error code is only the result of another error code and not the actual cause (e.g., a fault in the protection detection circuitry can also lead to a protection).
There are several mechanisms of error detection:

- Via error bits in the status registers of ICs.
- Via polling on I/O pins going to the standby processor.
- Via sensing of analogue values on the standby processor or the Viper.
- Via a “not acknowledge” of an $I^2C$ communication

Take notice that some errors need more than 90 seconds before they start blinking. So in case of problems wait 2 minutes from start-up onwards, and then check if the front LED is blinking.

**Table 5-2 Error code overview**

| Error | Description | Error/Prot | Detected by | Device | Defective module | Result |
|---|---|---|---|---|---|---|
| 1 | $I^2C1$ | P/E | VIPER | / | $I^2C1$_blocked | Protection + Error blinking / Error logged |
| 2 | $I^2C2$ | E | VIPER | / | $I^2C2$_blocked | Error logged |
| 3 | $I^2C3$ | P | Stby µP | / | / | Protection + Error blinking |
| 4 | $I^2C4$ | P | VIPER | / | $I^2C4$_blocked | Protection + Error blinking |
| 5 | VIPER does not boot | P | Stby µP | PNX8550 | / | Protection + Error blinking |
| 6 | 5V supply | P | Stby µP | / | / | Protection + Error blinking |
| 7 | 8V6 supply | P | Stby µP | / | / | Protection + Error blinking |
| 8 | 1.2V DC/DC | P | Stby µP | / | / | Protection + Error blinking |
| 9 | 2.5V DC/DC | P | Stby µP | / | / | Protection + Error blinking |
| 11 | 3.3V DC/DC | P | Stby µP | / | / | Protection + Error blinking |
| 12 | 12V supply | P | Stby µP | / | / | Protection + Error blinking |
| 14 | Audio | P | Stby µP | / | / | Protection + Error blinking |
| 18 | MPIF1 ref. freq. | E | VIPER | PNX3000 | IF I/O | Error logged |
| 23 | MPIF2 ref. freq. | E | VIPER | PNX3000 | IF I/O 2 | Error logged |
| 25 | Supply fault | P | Stby µP | n.a. | / | Protection + Error blinking |
| 27 | PNX2015 HD subsystem part | E | VIPER | / | / | see extra info |
| 28 | MOP | E | VIPER | / | / | see extra info |
| 32 | MPIF1 | E | VIPER | PNX3000 | Analog 1 front end 1 | Error logged |
| 33 | MPIF2 | E | VIPER | PNX3000 | Analog 2 front end 2 | Error logged |
| 34 | Tuner1 | E | VIPER | / | Tuner 1 | Error logged |

| Error | Description | Error/Prot | Detected by | Device | Defective module | Result |
|---|---|---|---|---|---|---|
| 35 | Tuner sub | E | VIPER | / | Tuner sub | Error logged |
| 36 | OFDM (channel decoder) | E | VIPER | TDA10046 | / | Error logged |
| 39 | POD/Common Interface | E | VIPER | STV0701 | / | Error logged |
| 43 | Hi Rate Front End | E | VIPER | TDA9975 | HDMI | Error logged |
| 44 | NVM | P | Stby µP | / | / | see extra info |
| 45 | Columbus 1 | E | VIPER | PNX2015 | Comb filter | Error logged |
| 46 | Pacific 3 | E | VIPER | / | / | TV to standby + Error logged |
| 53 | VIPER | P | Stby µP | PNX8550 | / | Protection + Error blinking |
| 63 | Power OK | P | VIPER | / | / | Protection + Error blinking (see extra info) |
| 64 | Display | E | VIPER | / | / | Error logged |

***Extra Info***

- **Rebooting.** When a TV is constantly rebooting due to internal problems, most of the time no errors will be logged or blinked. This rebooting can be recognised via a ComPair interface and Hyperterminal (for Hyperterminal settings, see paragraph “Standby software upgrade). You will see that the loggings which are generated by the main software keep continuing. In this case (rebooting) diagnose has to be done via ComPair.
- **Error 1 (I$^2$C bus 1 blocked).** Depending on the software version we can have two possibilities:
  - The TV goes into protection and the front LED will blink error 1. Now you can start up the TV via the SDM short-cut pins on the SSB. The TV will start up and ignores the error. Depending on the problem it is even possible that you have picture.
  - With this error, probably only the green LED lights up. The TV does **not** go into protection but error 1 will still be logged in the error buffer. In some cases you can have picture and sound and then you can check the error buffer. Otherwise use ComPair for further diagnosis (e.g. read out the NVM content).
- **Error 2 (I$^2$C bus blocked).** Due to hardware restriction (I2C bus 2 is the fast I2C bus) it will be impossible to start up the VIPER when I2C bus 2 is blocked. When this error occurs, the TV will not start (but probably you will see the green LED). Starting up the TV via the SDM short-cut pins will not work. So it will not be possible to read out error 2 via internal software (allthough it will be logged). Use ComPair for further diagnose (e.g. read out the NVM content).
- **Error 3 (I$^2$C bus 3 blocked).** There are only three devices on I$^2$C bus 3: VIPER, Standby Processor, and NVM. The Standby Processor is the detection device of this error, so this error will only occur if the VIPER or the NVM is blocking the bus. This error will also blink when the NVM gives no acknowledge on the I$^2$C bus. Note that if the 12 V supply is missing, the DC/DC supply on the SSB will not work. Therefore the VIPER will not get supplies and could block I$^2$C bus 3. So, a missing 12 V can also lead to an error 3.
- **Error 4 (I$^2$C bus 4 blocked).** In this chassis, error 4 is no longer a protection error.
- **Error 5 (VIPER does not boot).** This error will point to a severe hardware problem around the VIPER (supplies not OK, VIPER completely dead, I$^2$C link between VIPER and Standby Processor broken, etc...).
- **Error 7 (8V6 error).** In case of a TV with SDI display you will see error 7 blink in case of an audio protection. So except a problem with the 8V6 itself it is also possible that there is something wrong with the audio part. See also paragraph "Hardware Protections" for this.
- **Error 14 (Audio protection).** The detection is done on the audio board itself. Several items are monitored: overvoltage, overcurrent, DC level on the speakers and the audio supply voltages. If one of these items fails, the audioprotection will switch off the main supply. All supplies will drop, the standby processor “thinks” there is a mains dip, and will reboot. At the beginning of the boot process, the audio-protection line is monitored : if this line is “active”, the set will go to protection and will blink error 14.
- **Error 27 (PNX2015 HD subsystem part).** Diagnosing this error will not be possible via the normal errorcodes. In case this device can not communicate with the Viper via I$^2$C, it will not be possible to initialise the tunnelbus. Hence the software will not be able to start up, and will re-boot constantly. Diagnosing these problems will only be possible via ComPair. In theory it is possible that the error is logged in the NVM (that’s why this error is still mentioned here).
- **Error 28 (MOP/EPLD)** Due to the detection mechanism of the MOP error it is possible that the actual logging of the error can take up to 4 minutes (worst case). So if you want to be sure there is a MOP error, reset the error buffer, restart the TV and wait for 4 minutes before checking the error buffer again. The detection mechanism for this error has been changed to avoid false MOP errors.
- **Error 44 (NVM).** This error will probably never occur because it is masked by error 3 (I$^2$C bus 3). The detection mechanism for error 3 checks on an I$^2$C acknowledge of the NVM. If NVM gives no acknowledge, the standby software assumes that the bus is blocked, the TV goes to protection and error 3 will be blinking..
- **Error 46 (Pacific 3).** When this errors occurs the TV will go to standby. The reason for this is, when there is an occasional boot problem of the Pacific, it will look like the TV has started up in standby mode, and the customer can switch it on again. When there is an actual problem with or around the Pacific the TV will go to standby every time you try to start up. So this behaviour is an indication of a Pacific problem.
- **Error 53.** This error will indicate that the VIPER has started to function (by reading his boot script, if this would have failed, error 5 would blink) but initialization was never completed because of hardware peripheral problems (NAND flash, ...) or software initialization problems. Possible cause could be that there is no valid software loaded (try to upgrade to the latest main software version). Note that it takes 90 seconds before the TV goes to protection in this case.
- **Error 63 (POWER OK).** When this error occurs, it means that the POWER-OK line did not became “high”. This error is only applicable for TV’s with a SDI display, a FHP display or a Sharp full HD display. Depending on the software version it is possible that the detection mechanism of this error does not function and that the set keeps rebooting.
- **Error 64 (Display error).** When this error occurs it means that there is a problem with the I$^2$C communication towards the display. Although several display types communicate via I$^2$C, this error will only work for sets with a FHP display.

## 5.6 The Blinking LED Procedure

### 5.6.1 Introduction

The blinking LED procedure can be split up into two situations:

- Blinking LED procedure in case of a protection detected by the standby processor. In this case the error is automatically blinked. This will be only one error, namely the one that is causing the protection. Therefore, you do not have to do anything special, just read out the blinks. A long blink indicates the decimal digit, a short blink indicates the units.
- Blinking LED procedure in the “on” state. Via this procedure, you can make the contents of the error buffer visible via the front LED. This is especially useful for fault finding, when there is no picture.

When the blinking LED procedure is activated in the “on” state, the front LED will show (blink) the contents of the error-buffer. Error-codes > 10 are shown as follows:

1. “n” long blinks (where “n” = 1 - 9) indicating decimal digit,
2. A pause of 1.5 s,
3. “n” short blinks (where “n”= 1 - 9),
4. A pause of approx. 3 s.
5. When all the error-codes are displayed, the sequence finishes with a LED blink of 3 s,
6. The sequence starts again.

**Example:** Error 12 8 6 0 0.
After activation of the SDM, the front LED will show:

1. 1 long blink of 750 ms (which is an indication of the decimal digit) followed by a pause of 1.5 s,
2. 2 short blinks of 250 ms followed by a pause of 3 s,
3. 8 short blinks followed by a pause of 3 s,
4. 6 short blinks followed by a pause of 3 s,
5. 1 long blink of 3 s to finish the sequence,
6. The sequence starts again.

### 5.6.2 How to Activate

Use one of the following methods:

- **Activate the SDM.** The blinking front LED will show the entire contents of the error buffer (this works in “normal operation” mode).
- **Transmit the commands “MUTE” - “062500” - “OK” with a normal RC.** The complete error buffer is shown. Take notice that it takes some seconds before the blinking LED starts.
- **Transmit the commands “MUTE” - “06250x” - “OK” with a normal RC** (where “x” is a number between 1 and 5). When x= 1 the last detected error is shown, x= 2 the second last error, etc.... Take notice that it takes some seconds before the blinking LED starts.

## 5.7 Protections

### 5.7.1 Software Protections

Most of the protections and errors use either the standby microprocessor or the VIPER controller as detection device. Since in these cases, checking of observers, polling of ADCs, filtering of input values are all heavily software based, these protections are referred to as software protections.
There are several types of software related protections, solving a variety of fault conditions:

- **Protections related to supplies:** check of the 12V, +5V, +8V6, +1.2V and +3.3V.
- **Protections related to breakdown of the safety check mechanism.** E.g. since a lot of protection detections are done by means of the VIPER, failing of the VIPER communication will have to initiate a protection mode since safety cannot be guaranteed any more.

***Remark on the Supply Errors***

The detection of a supply dip or supply loss during the normal playing of the set does not lead to a protection, but to a cold reboot of the set. If the supply is still missing after the reboot, the set will go to protection.

***Protections during Start-up***

During start-up, some voltages and IC observers are actively monitored to be able to optimise the start-up speed, and to assure good operation of all components. If these monitors do not respond in a defined way, this indicates a malfunction of the system and leads to a protection. As the observers are only used during start-up, they are described in the start-up flow in detail (see paragraph “Stepwise Start-up").

### 5.7.2 Hardware Protections

There are no real hardware protections in this chassis.. Although, in case of an audio problem, the audio protection circuit will switch off the main supply. The standby microprocessor will interprete this as a mains dip and will try to start up again.
In case of a set with SDI display this will probably lead to protection error 7 (8V6 error) and an internal error 11 (so it looks like an overvoltage protection of the SDI supply itself).
In other cases it will lead to error 14 (audio protection).

***Repair Tips***

- It is also possible that you have an audio DC protection because of an interruption in one or both speakers (the DC voltage that is still on the circuit cannot disappear through the speakers).

## 5.8 Fault Finding and Repair Tips

Read also paragraph "Error Codes" - "Extra Info".

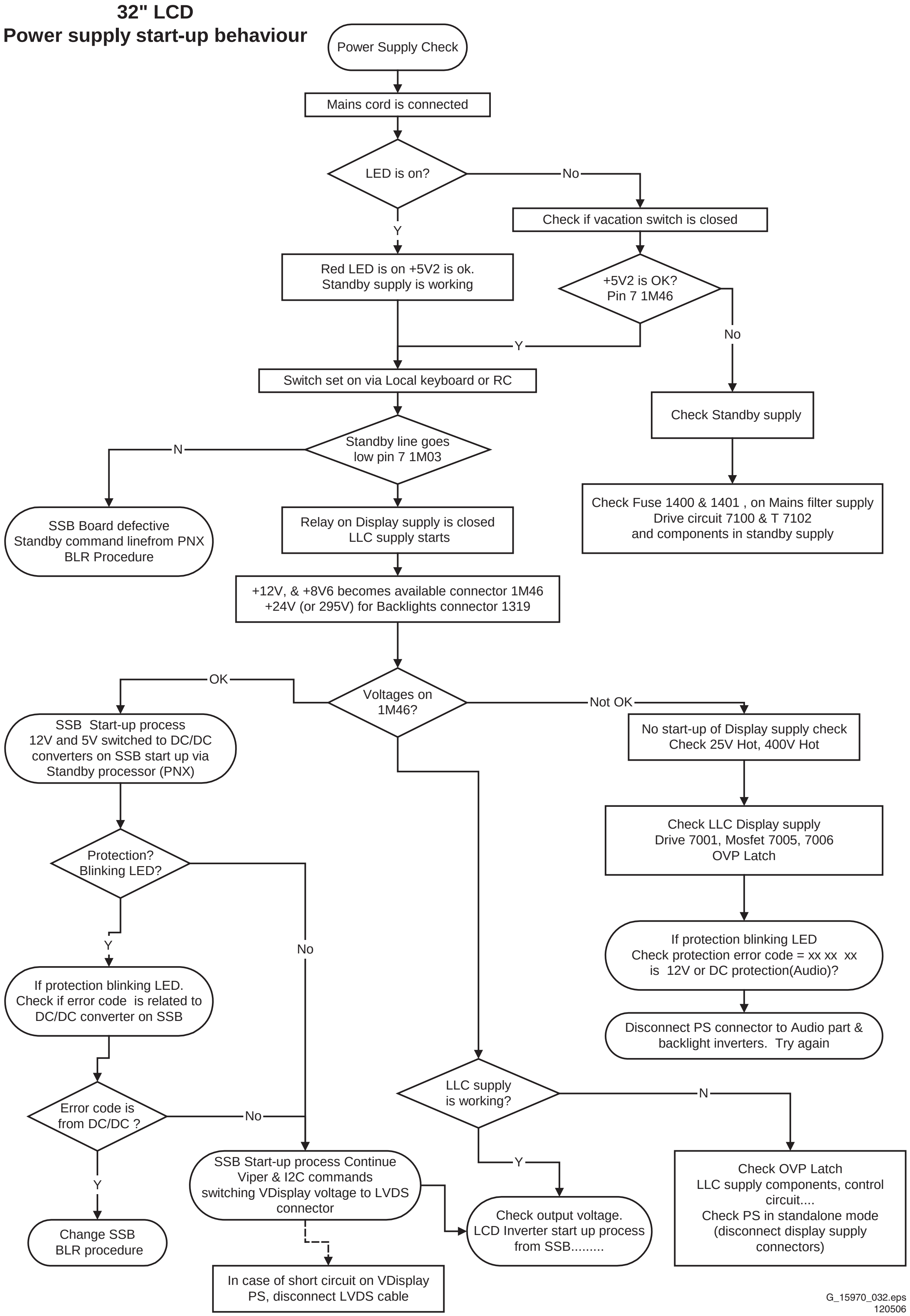

32" LCD
Power supply start-up behaviour
Power Supply Check
Mains cord is connected
LED is on?
No
Check if vacation switch is closed
Y
Red LED is on +5V2 is ok.
Standby supply is working
+5V2 is OK?
Pin 7 1M46
No
Y
Switch set on via Local keyboard or RC
Check Standby supply
Standby line goes low pin 7 1M03
N
SSB Board defective
Standby command linefrom PNX
BLR Procedure
Relay on Display supply is closed
LLC supply starts
Check Fuse 1400 & 1401 , on Mains filter supply
Drive circuit 7100 & T 7102
and components in standby supply
+12V, & +8V6 becomes available connector 1M46
+24V (or 295V) for Backlights connector 1319
Voltages on 1M46?
OK
Not OK
SSB Start-up process
12V and 5V switched to DC/DC converters on SSB start up via Standby processor (PNX)
No start-up of Display supply check
Check 25V Hot, 400V Hot
Check LLC Display supply
Drive 7001, Mosfet 7005, 7006
OVP Latch
Protection?
Blinking LED?
Y
No
If protection blinking LED
Check protection error code = xx xx xx
is 12V or DC protection(Audio)?
If protection blinking LED.
Check if error code is related to DC/DC converter on SSB
Disconnect PS connector to Audio part & backlight inverters. Try again
LLC supply is working?
N
Error code is from DC/DC ?
No
Y
SSB Start-up process Continue
Viper & I2C commands
switching VDisplay voltage to LVDS connector
Y
Check OVP Latch
LLC supply components, control circuit....
Check PS in standalone mode
(disconnect display supply connectors)
Check output voltage.
LCD Inverter start up process from SSB.........
Change SSB
BLR procedure
In case of short circuit on VDisplay PS, disconnect LVDS cable
G_15970_032.eps
120506

Figure 5-19 First line fault find tree 32” LCD

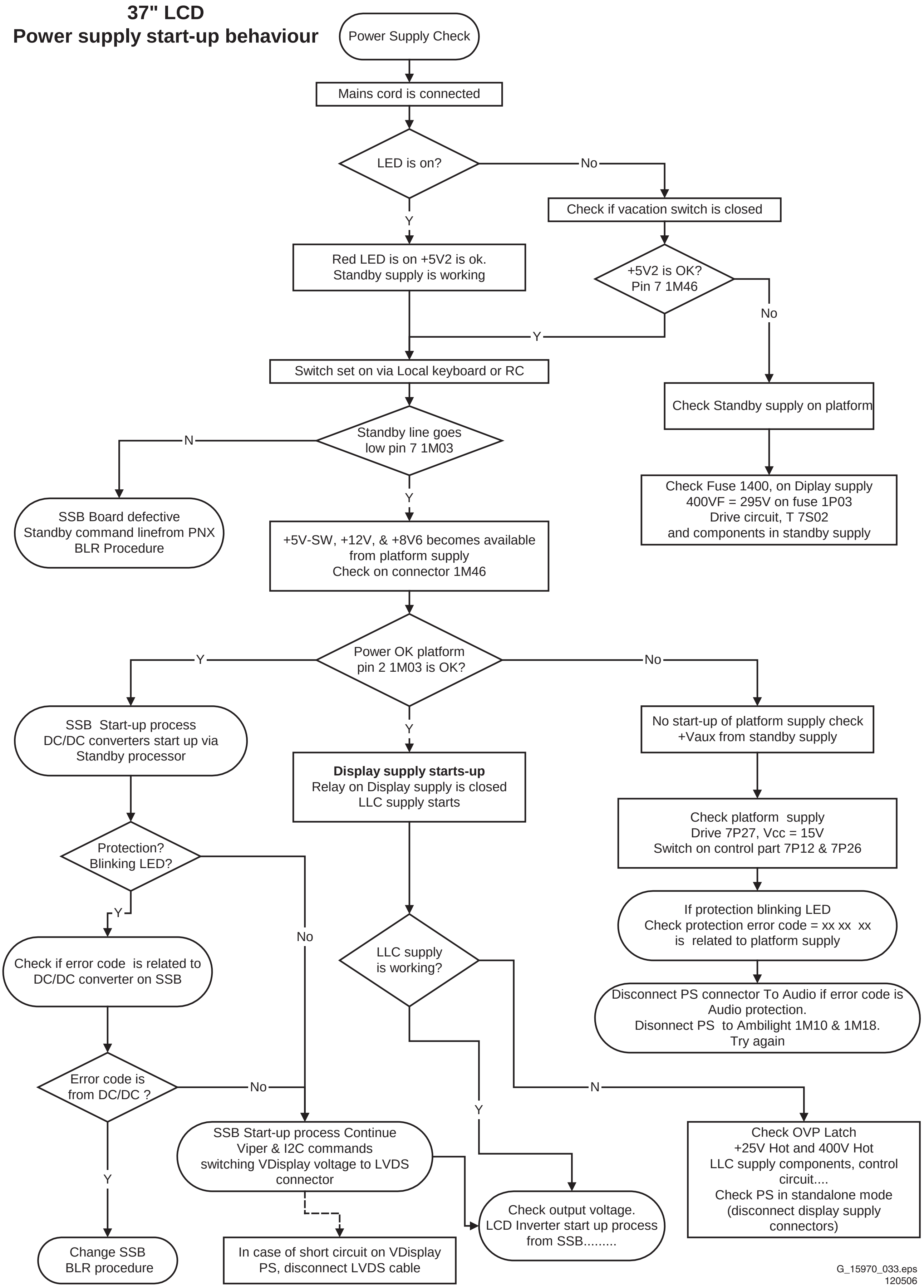

37" LCD
Power supply start-up behaviour
Power Supply Check
Mains cord is connected
LED is on?
No
Check if vacation switch is closed
Y
Red LED is on +5V2 is ok.
Standby supply is working
+5V2 is OK?
Pin 7 1M46
No
Y
Switch set on via Local keyboard or RC
Check Standby supply on platform
N
Standby line goes
low pin 7 1M03
Y
SSB Board defective
Standby command linefrom PNX
BLR Procedure
+5V-SW, +12V, & +8V6 becomes available
from platform supply
Check on connector 1M46
Check Fuse 1400, on Diplay supply
400VF = 295V on fuse 1P03
Drive circuit, T 7S02
and components in standby supply
Y
Power OK platform
pin 2 1M03 is OK?
No
Y
SSB Start-up process
DC/DC converters start up via
Standby processor
Display supply starts-up
Relay on Display supply is closed
LLC supply starts
No start-up of platform supply check
+Vaux from standby supply
Check platform supply
Drive 7P27, Vcc = 15V
Switch on control part 7P12 & 7P26
Protection?
Blinking LED?
Y
No
If protection blinking LED
Check protection error code = xx xx xx
is related to platform supply
Check if error code is related to
DC/DC converter on SSB
LLC supply
is working?
Disconnect PS connector To Audio if error code is
Audio protection.
Disonnect PS to Ambilight 1M10 & 1M18.
Try again
Error code is
from DC/DC ?
No
N
Y
SSB Start-up process Continue
Viper & I2C commands
switching VDisplay voltage to LVDS
connector
Check OVP Latch
+25V Hot and 400V Hot
LLC supply components, control
circuit....
Check PS in standalone mode
(disconnect display supply
connectors)
Y
Check output voltage.
LCD Inverter start up process
from SSB.........
Change SSB
BLR procedure
In case of short circuit on VDisplay
PS, disconnect LVDS cable
G_15970_033.eps
120506

Figure 5-20 First line fault find tree 37” LCD

### 5.8.1 Exit “Factory Mode”

When an "F" is displayed in the screen's right corner, this means that the set is in "Factory" mode, and it normally happens after a new SSB has been mounted.
To exit this mode, push the "VOLUME minus" button on the TV's keyboard control for 5 seconds and restart the set.

When a DVBT set starts up in factory mode, the set will tune to preset 0. When there is no channel installed on preset 0, there will be no picture and it will look like the set is in standby mode. De-activating factory mode can also be done via the above method.

### 5.8.2 MPIF

Important things to make the MPIF work:

- Supply.
- Clock signal from the AVIP.
- I$^2$C from the VIPER.

When there is no sound an external sources, check the audio supply of the MPIF.

### 5.8.3 PACIFIC 3

In case the Pacific fails, the set will go to standby. The reason for this is, when there is an occasional boot problem of the Pacific, it will look like the set has started up in standby mode, and the customer can switch it “on” again. When there is an actual problem with or around the Pacific the set will go to standby every time you try to start up. So this behaviour is an indication of a Pacific problem.

### 5.8.4 Ambilight

**Note:** in case of Ambilight protection, the set itself will not go to protection, only the Ambilight board. When you disconnect the set from the mains and reconnect again, the Ambilights will work again.

In case of multiple protections, check and replace the invertor transformers and/or the lamp unit(s).

Protections on the ambilight boards:

- **Parallel arcing protection**.In normal operation the inverter frequency is ±63 kHz. In case of short circuit of the transformer output the frequency is >100 kHz. Protection is done via sensing the switching frequency.
- **Serial arcing protection**. The detection of the arcing is done in the ground wire of lamp units. The µProcessor is counting the protection pulses. When 50 pulses are counted within 2 seconds protection will be triggered.

### 5.8.5 Sanken Display Supply.

All 42” LCD sets for this chassis have a “Sanken” display supply. The 42PF9641D/10 has a 24 V “Sanken” supply whereas all other 42” LCD sets have a 295 V “Sanken” supply. If these supplies fail, there will be no error or protection because there is no feedback foreseen from the supply towards the SSB.
The result of a failing Sanken display supply could be that there is no picture, but that you will probably have sound and 1 out of 3 ambilights will still work (in case of 3-sided ambilight and ambilight is switched on). Another result of a failing Sanken display supply is of course that the set is completely dead.
When the primary circuit of the platform supply fails, there is a high possibility that the main fuse of the Sanken display supply will break. In this case the Sanken supply must not be replaced completely, just replace the Sanken main fuse and repair the platform supply. For safety reasons, make sure to use the correct fuse type.

### 5.8.6 DC/DC Converter

***Introduction***

- Because ICs on the SSB require low supply voltages (1.2V, 2.6V, 3.3V) at high current (a few Ampères), on-board DC-DC converters were implemented:
  - 12V / 1V2 DC-DC converter
  - extra 12V / 1V2 DC-DC converter for FPGA (only on 1080p boards)
  - 12V / 2V6 DC-DC converter
  - 12V / 3V3 DC-DC converter
  - Vtun (+33V) generator (not for single window digital boards)
- Startup sequence:
  Apply +5V2. The standby microprocessor will begin the start sequence.
  - the STANDBY signal will go low to enable the external supply that will deliver +12V, +8V6 and +5V to the SSB via connector 1M46
  - As soon as the +12V has its nominal value, the 12V / 1V2 DC-DC converter is enabled via ENABLE 1V2. +1V2 should have its nominal value within miliseconds.
  - If the +1V2 is ok the 12V / 2V5, 12V / 3V3 DC-DC converters (and the Vtun generator and 12V / 1V2 DC-DC converter for FPGA, if present) are enabled via ENABLE 2V5 and ENABLE 3V3. +2V5 and +3V3 (and Vtun and +1V2-FPGA, if it is the case) should have their nominal values within a few miliseconds.
- There are LEDs that light up when +1V2, +2V5, +2V5D and +3V3 are available.
- If the +12V is not available the start-up sequence is stopped and the board enters in protection state.
- The same will happen if, further in the start-up sequence a voltage is missing or the signal SUPPLY-FAULT remains low.
- The signal SUPPLY-FAULT should be high (>2V) when all DC-DC converters are working properly. The signal is becoming active (low) when there is a defective or missing component in any of the three DC-DC converters or the output voltages are short-circuited to ground.

***Fault Finding***

- The best way to find a failure in the DC-DC converters is to check their start-up sequence at power on via the mains cord, presuming that the standby µP is operational.
- If the input voltage of the DC-DC converters is around 12V (measured on the decoupling capacitors 2U17, 2U25 and 2U45) and the enable signals are low (active) then the output voltages should have their nominal values.
- In case of a wrong value of the output voltages (or no output voltage):
  - Check the value of the signals (STANDBY, ENABLE 1V2, ENABLE 2V5, ENABLE 3V3 and SUPPLY-FAULT)
  - Check the value of the supply voltages for the IC controllers (pin 15 of IC’s 7U04, 7U05, 7U06 and 7U64 must be +12V)
  - Check the switching frequency (250 kHz) and the duty cycle of each DC-DC converter
  - Check short-circuits to GND of output voltages

## 5.9 Software Upgrading

### 5.9.1 Introduction

The set software and security keys are stored in a NAND-Flash, which is connected to the VIPER via the PCI bus.

It is possible **for the user** to upgrade the **main** software via the USB port. This allows replacement of a software image in a stand alone set, without the need of an E-JTAG debugger. A description on how to upgrade the main software can be found in chapter 3 "Directions For Use".

**Important:** When the NAND-Flash must be replaced, a new SSB must be ordered, due to the presence of the security keys!!! (copy protection keys, MAC address, for US the POD keys, ...). See table “SSB service kits” for the order codes.
Perform the following actions after SSB replacement:

1. Set the correct option codes (see sticker inside the TV).
2. Update the TV software (see chapter 3 for instructions).
3. Perform the alignments as described in chapter 8.
4. Check in CSM if the HDMI keys are valid.

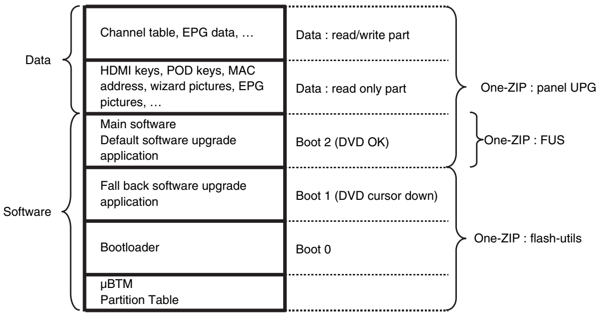
**Table 5-3 SSB service kits**

| Model Number | SSB factory assy code[1)] | New SSB order code |
|---|---|---|
| 32PF9531/10 | 3104 328 46631 | refer to Spare Parts list |
| 32PF9631D/10 | 3104 328 46691 | refer to Spare Parts list |
| 32PF9731D/10 | 3104 328 44071 | refer to Spare Parts list |
| 37PF9731/69 | 3104 328 44061 | refer to Spare Parts list |
| 37PF9731D/10 | 3104 328 44061 | refer to Spare Parts list |
| 42PF9641D/10 | 3104 328 49751 | refer to Spare Parts list |
| 42PF9731D/10 | 3104 328 48801 | refer to Spare Parts list |
| 42PF9831/69 | 3104 328 44053 | refer to Spare Parts list |
| 42PF9831D/10 | 3104 328 44053 | refer to Spare Parts list |

1) Information in column “SSB factory assy code” is only for reference purposes. Do **not** use this code when ordering a new SSB.

### 5.9.2 Main Software Upgrade

The software image resides in the NAND-Flash, and is formatted in the following way:



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181006

Figure 5-21 NAND-Flash content

- Main software and default download application can be upgraded via USB stick. See below.
- “Fall back software upgrade application”, bootloader and µBTM can only be recovered via special EJTAG tooling and the "flash utils" part of the one-zip. Only service centra who are allowed to do component level repair have such tooling.
- The "panel upg" which you will also find in the one-zip file is used for factory purposes only.

***Automatic Software Upgrade.***
In "normal" conditions, so when there is no major problem with the TV, the main software and the default software upgrade application can be upgraded with the autorun.upg (FUS part of the one-zip file: e.g. 3104 337 02871 _FUS _BX31E_ 0.48.20.0_commercial.zip). This can also be done by the customers themselves, but they will have to get their software from the commercial Philips website. The autorun.upg file must be put in the root of your USB stick.
How to upgrade :

1. Copy "autorun.upg" to the root of your USB stick
2. Insert USB stick in the side I/O while the set is in ON MODE. The set will restart and the upgrading will start automatically. As soon as the programming is finished, you'll get the message that you can remove your USB stick and restart the set.

***Manual Software Upgrade.***
In case that the software upgrade application does not start automatically, you can also start it manually.
How to start the software upgrade application manually :

1. Disconnect the TV from the Mains/AC Power.
2. Press the "OK" button on a Philips DVD RC-6 remote control (it is also possible to use the TV remote in "DVD" mode).Keep the "OK” button pressed while connecting the TV to the Mains/AC Power.
3. The software upgrade application will start.

***Attention !***
In case that you have started the download application manually, the "autorun.upg" will not be recognized.
What to do in this case :

1. Create a directory "upgrades" on your USB stick.
2. Rename the "autorun.upg" to something else, e.g. to "software.upg". Don't use long or complicated names, keep it simple. Make sure that autorun.upg is no longer present in the root of your USB stick.
3. Copy the renamed upg file into this directory.
4. Insert USB stick in the side I/O.
5. The renamed upg file will be visible and selectable in the upgrade application.

***Fall Back Software Upgrade Application.***
If the default software upgrade application does not start (could be due to a corrupted boot 2 sector) via the above described method, you can try to activate the “fall-back software upgrade application”.
How to start the “fall back software upgrade application” manually :

1. Disconnect the TV from the Mains/AC Power.
2. Press the "cursor down" button on a Philips DVD RC-6 remote control (it is also possible to use the TV remote in "DVD" mode). Keep the "cursor down" button pressed while connecting the TV to the Mains/AC Power.
3. The software upgrade application will start.

### 5.9.3 Stand-by Software Upgrade

There are two methods now to upgrade stand-by software:

***Upgrade via USB***

In this chassis it is possible to upgrade stand-by software via a USB stick. The method is similar to upgrading main software via USB.

Use the following steps:

1. Create a directory “upgrades” on your USB stick.
2. Copy the stand-by software (delivered via the Service organization) into this directory.
3. Insert the USB stick into the TV.
4. Start the download application manually (see paragraph “Manual start of the Software Upgrade Application”.
5. Select the appropriate file and press the red button to upgrade:

***Upgrade via PC and ComPair interface***

It will be possible to upgrade the Stand-by software via a PC and the ComPair interface. Check paragraph "ComPair" on how to connect the interface. To upgrade the Stand-by software, use the following steps:

1. Disconnect the TV from the Mains/AC Power.
2. Short circuit the SPI pins [2] on the SSB. They are located outside the shielding (see figure “Service mode pads”).
3. Keep the SPI pins shorted while connecting the TV to the Mains/AC Power.
4. Release the short circuit after approx. two seconds.
5. Start up HyperTerminal (can be found in every Windows application via Programs -> Accessories -> Communications -> HyperTerminal). Use the following settings:
   - COM1
   - Bits per second = 38400 (9600)*
   - Data bits = 8
   - Parity = none
   - Stop bits = 1
   - Flow control = None
6. Press “Shift U” on your PC keyboard. You should now see the following info:
   - PNX2015 Loader V1.0
   - 19-09-2003
   - DEVID=0x05
   - Erasing
   - MCSUM=0x0000
   - =
7. If you do not see the above info, restart the above procedure, and check your HyperTerminal settings and the connections between PC and TV.
8. Via “Transfer” -> “Send text file ...”, you can send the proper upgrade file to the TV (e.g. *.hex). This file will be distributed via the Service Organization.
9. After successful programming, you must see the following info (this can take several minutes!):
   - DCSUM=0xECB3
   - :Ok
   - MCSUM=0xECB3
   - Programming
   - PCSUM=0xECB3
   - Finished
10. If you do not see this info, restart the complete procedure.
11. Close HyperTerminal.
12. Disconnect and connect Mains/AC Power again.

(*) When having problems with upgrading, use the values between brackets.

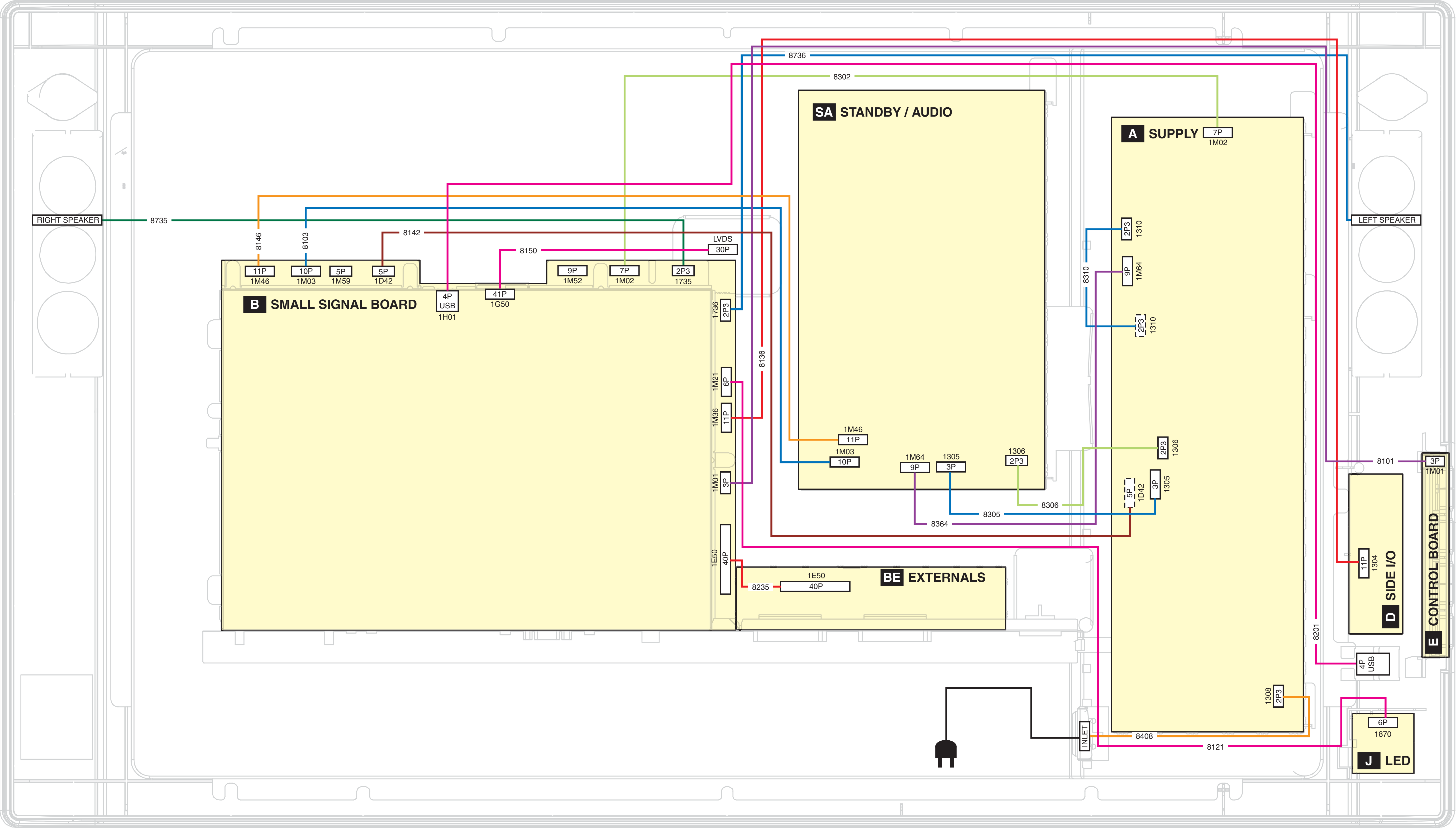
## *Personal Notes:*

E_06532_012.eps
131004

# 6. Block Diagrams, Test Point Overviews, and Waveforms

## Wiring Diagram 32” STEP (ME6)

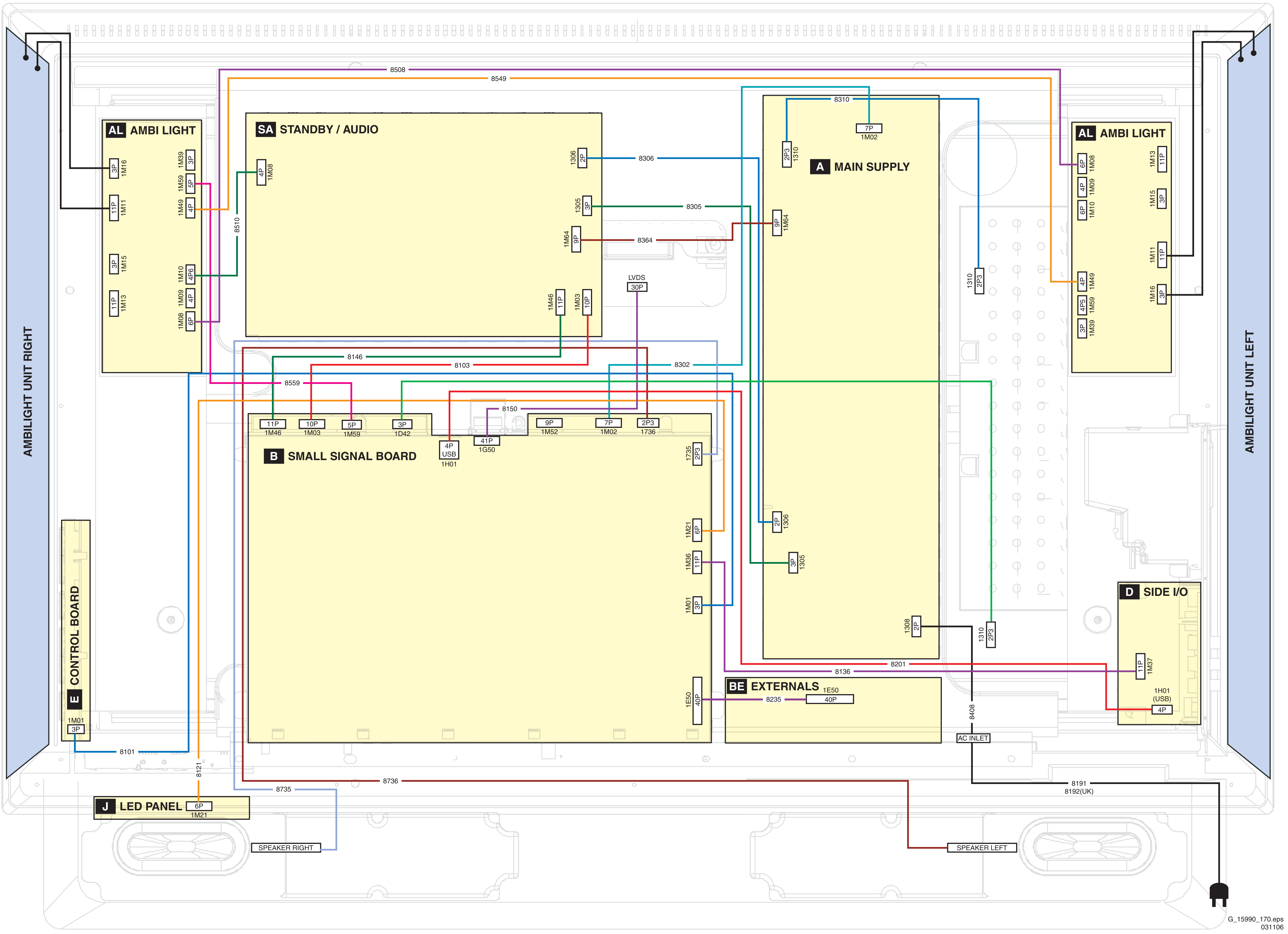
**WIRING 32” (ME6)**


RIGHT SPEAKER
8735
LEFT SPEAKER
8736
8302
8146
8103
8142
8150
LVDS
30P
11P
1M46
10P
1M03
5P
1M59
5P
1D42
9P
1M52
7P
1M02
2P3
1735
4P
USB
1H01
41P
1G50
B SMALL SIGNAL BOARD
1736
2P3
8136
1M21
6P
1M36
11P
1M01
3P
1E50
40P
SA STANDBY / AUDIO
1M46
11P
1M03
10P
1M64
9P
1305
3P
1306
2P3
A SUPPLY
7P
1M02
2P3
1310
9P
1M64
8310
2P3
1310
2P3
1306
3P
1305
5P
1D42
8306
8305
8364
BE EXTERNALS
1E50
40P
8235
8101
3P
1M01
11P
1304
D SIDE I/O
E CONTROL BOARD
8201
4P
USB
1308
2P3
INLET
8408
8121
6P
1870
J LED

G_15990_169.eps
111006

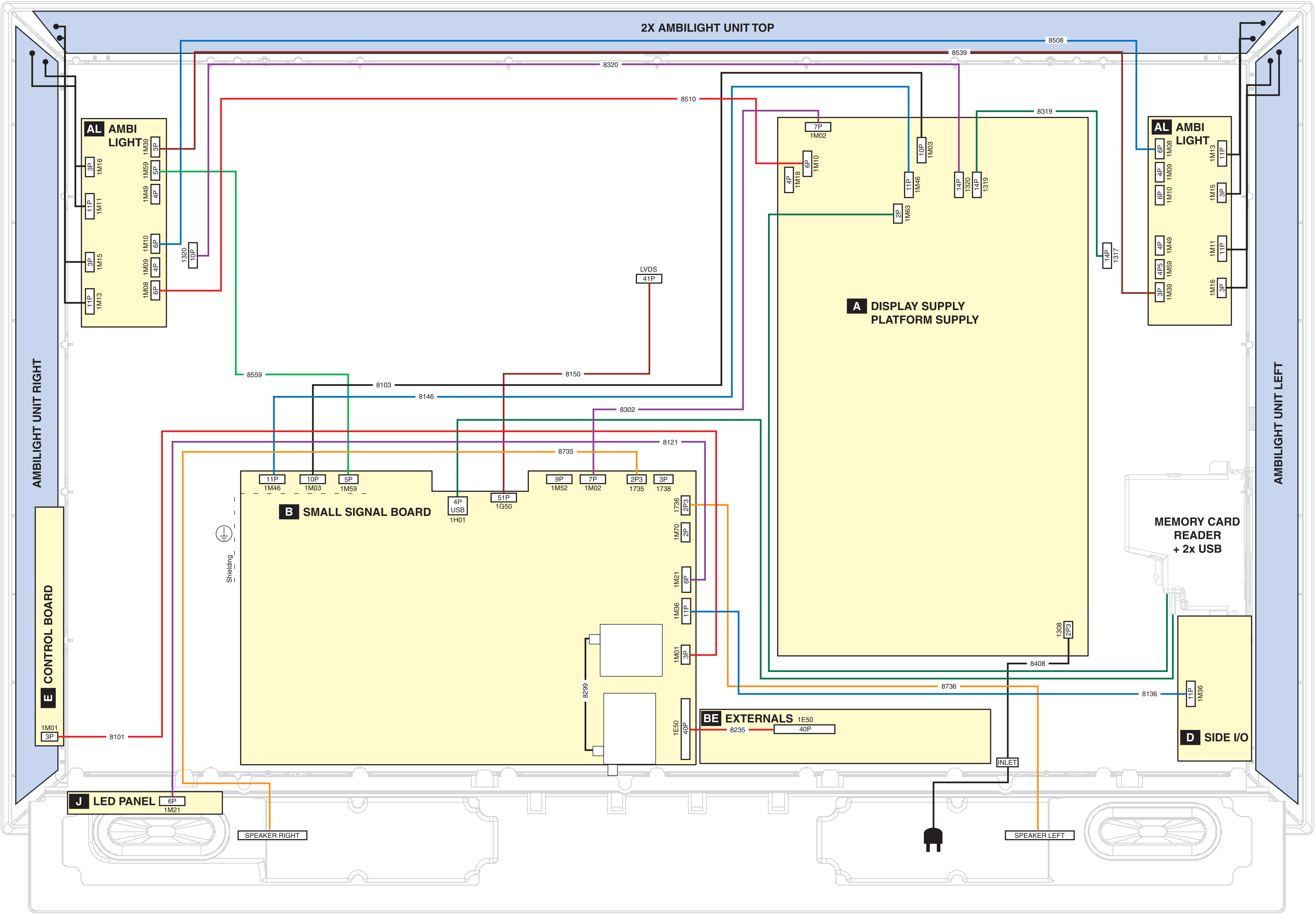
## Wiring Diagram 32” TOP B

WIRING 32” TOP B


AMBILIGHT UNIT RIGHT
AMBILIGHT UNIT LEFT
AL AMBI LIGHT
3P 1M16
11P 1M11
3P 1M15
11P 1M13
1M39 3P
1M59 5P
1M49 4P
1M10 4P6
1M09 4P
1M08 6P
SA STANDBY / AUDIO
4P 1M08
1306 2P
1305 3P
1M64 9P
1M46 11P
1M03 10P
A MAIN SUPPLY
7P 1M02
2P3 1310
9P 1M64
2P 1306
3P 1305
1308 2P
1310 2P3
AL AMBI LIGHT
6P 1M08
4P 1M09
6P 1M10
4P 1M49
4P5 1M59
3P 1M39
1M13 11P
1M15 3P
1M11 11P
1M16 3P
8508
8549
8310
8306
8305
8364
8510
LVDS 30P
8146
8103
8302
8559
8150
B SMALL SIGNAL BOARD
11P 1M46
10P 1M03
5P 1M59
3P 1D42
4P USB 1H01
41P 1G50
9P 1M52
7P 1M02
2P3 1736
1735 2P3
1M21 6P
1M36 11P
1M01 3P
1E50 40P
E CONTROL BOARD
1M01 3P
8101
8121
J LED PANEL 6P 1M21
8735
8736
SPEAKER RIGHT
SPEAKER LEFT
BE EXTERNALS 1E50
8235 40P
8136
8201
8408
AC INLET
D SIDE I/O
11P 1M37
1H01 (USB) 4P
8191
8192(UK)
G_15990_170.eps
031106

## Wiring Diagram 37” TOP B

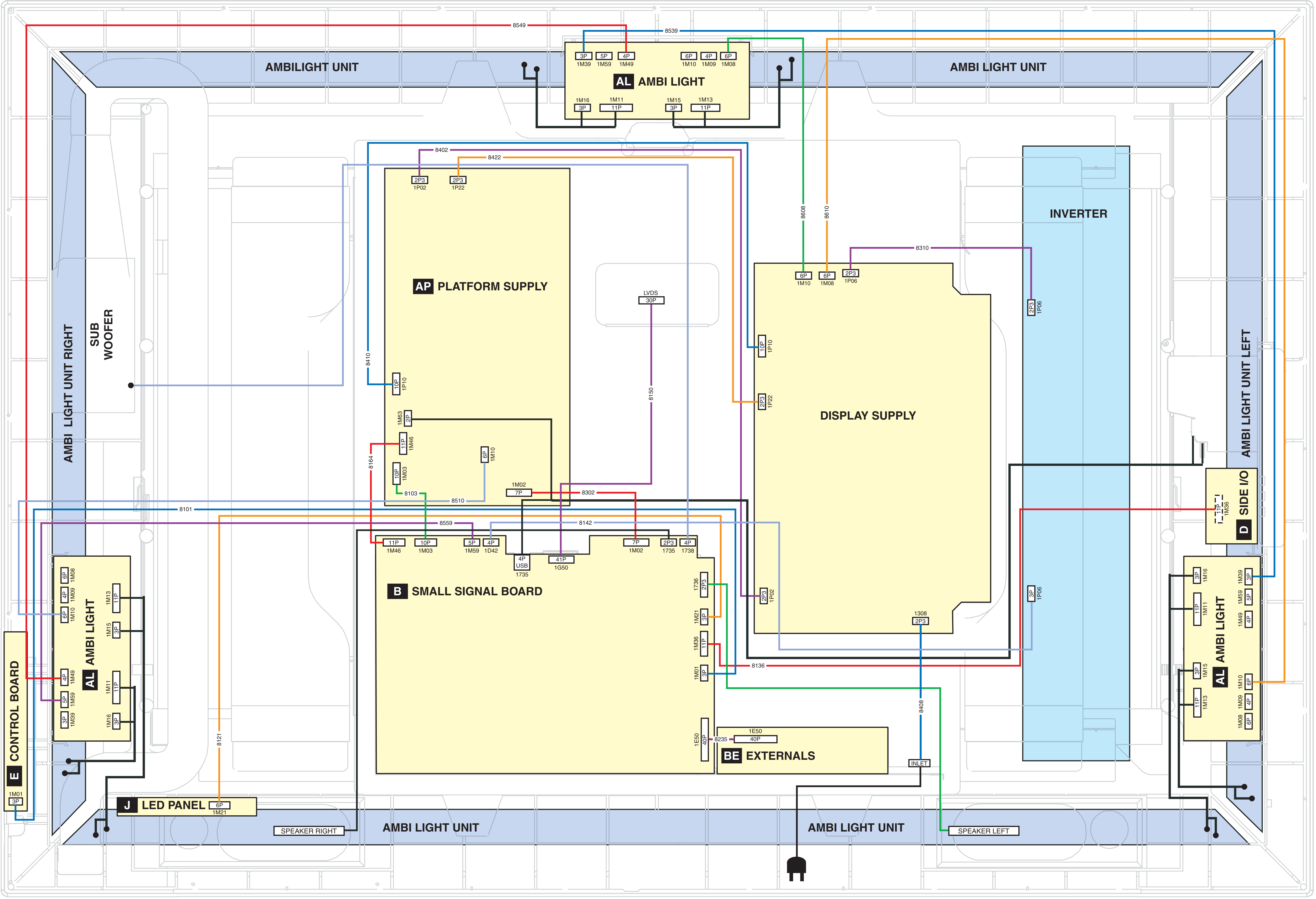
**WIRING 37” TOP B**


2X AMBILIGHT UNIT TOP
8508
8539
8320
8510
8319
AL AMBI LIGHT
3P 1M39
5P 1M59
4P 1M49
6P 1M10
4P 1M09
6P 1M08
3P 1M16
11P 1M11
3P 1M15
11P 1M13
10P 1320
7P 1M02
6P 1M10
4P 1M18
10P 1M03
11P 1M46
14P 1320
14P 1319
2P 1M63
14P 1317
AL AMBI LIGHT
6P 1M08
4P 1M09
6P 1M10
4P 1M49
4P5 1M59
3P 1M39
11P 1M13
3P 1M15
11P 1M11
3P 1M16
LVDS 41P
A DISPLAY SUPPLY PLATFORM SUPPLY
AMBILIGHT UNIT RIGHT
AMBILIGHT UNIT LEFT
8559
8103
8150
8146
8302
8121
8735
11P 1M46
10P 1M03
5P 1M59
4P USB 1H01
51P 1G50
9P 1M52
7P 1M02
2P3 1735
3P 1738
B SMALL SIGNAL BOARD
Shielding
2P3 1736
2P 1M70
6P 1M21
11P 1M36
3P 1M01
40P 1E50
8299
E CONTROL BOARD
1M01 3P
8101
MEMORY CARD READER + 2x USB
2P3 1308
8408
8736
8136
11P 1M36
D SIDE I/O
BE EXTERNALS 1E50
8235
40P
INLET
J LED PANEL
6P 1M21
SPEAKER RIGHT
SPEAKER LEFT

G_15990_171.eps
031106

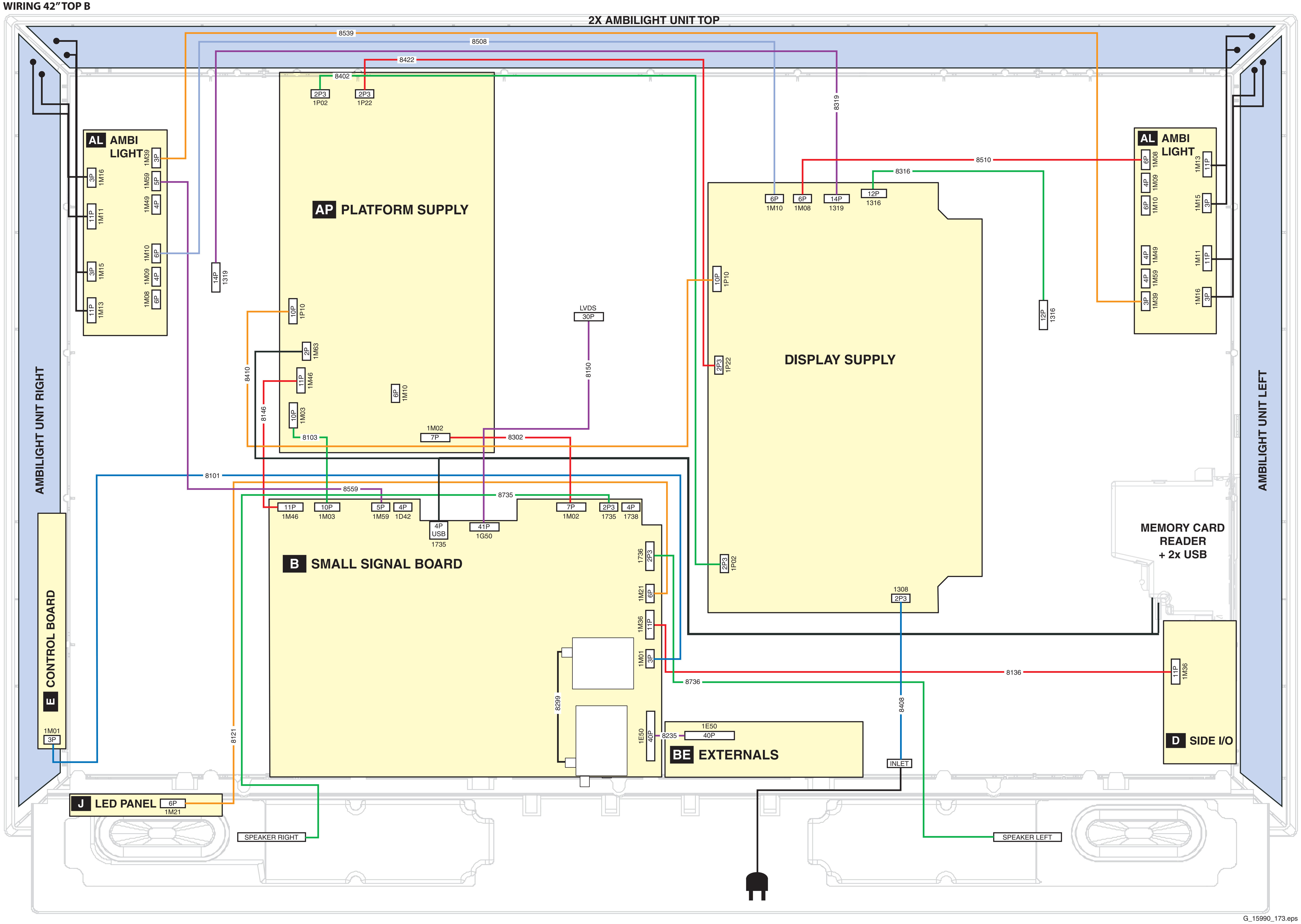
## Wiring Diagram 42” TOP A

**WIRING 42”TOP A**


AMBILIGHT UNIT
AMBI LIGHT UNIT
AMBI LIGHT UNIT
AMBI LIGHT UNIT
AMBI LIGHT UNIT RIGHT
AMBI LIGHT UNIT LEFT
SUB WOOFER
AL AMBI LIGHT
3P 1M39
5P 1M59
4P 1M49
6P 1M10
4P 1M09
6P 1M08
1M16 3P
1M11 11P
1M15 3P
1M13 11P
8549
8539
8402
8422
2P3 1P02
2P3 1P22
AP PLATFORM SUPPLY
8410
10P 1P10
1M63 2P
11P 1M46
10P 1M03
6P 1M10
1M02 7P
8164
8103
8510
8101
8559
8142
8302
LVDS 30P
8150
8608
8610
8310
6P 1M10
6P 1M08
2P3 1P06
10P 1P10
2P3 1P22
2P3 1P02
DISPLAY SUPPLY
1308 2P3
INVERTER
2P3 1P06
3P 1P06
D SIDE I/O
11P 1M36
B SMALL SIGNAL BOARD
11P 1M46
10P 1M03
5P 1M59
4P 1D42
4P USB 1735
41P 1G50
7P 1M02
2P3 1735
4P 1738
1736 2P3
1M21 3P
1M36 11P
1M01 3P
1E50 40P
8235
8136
8408
1E50 40P
BE EXTERNALS
INLET
E CONTROL BOARD
1M01 3P
J LED PANEL
6P 1M21
8121
SPEAKER RIGHT
SPEAKER LEFT

G_15990_172.eps
031106

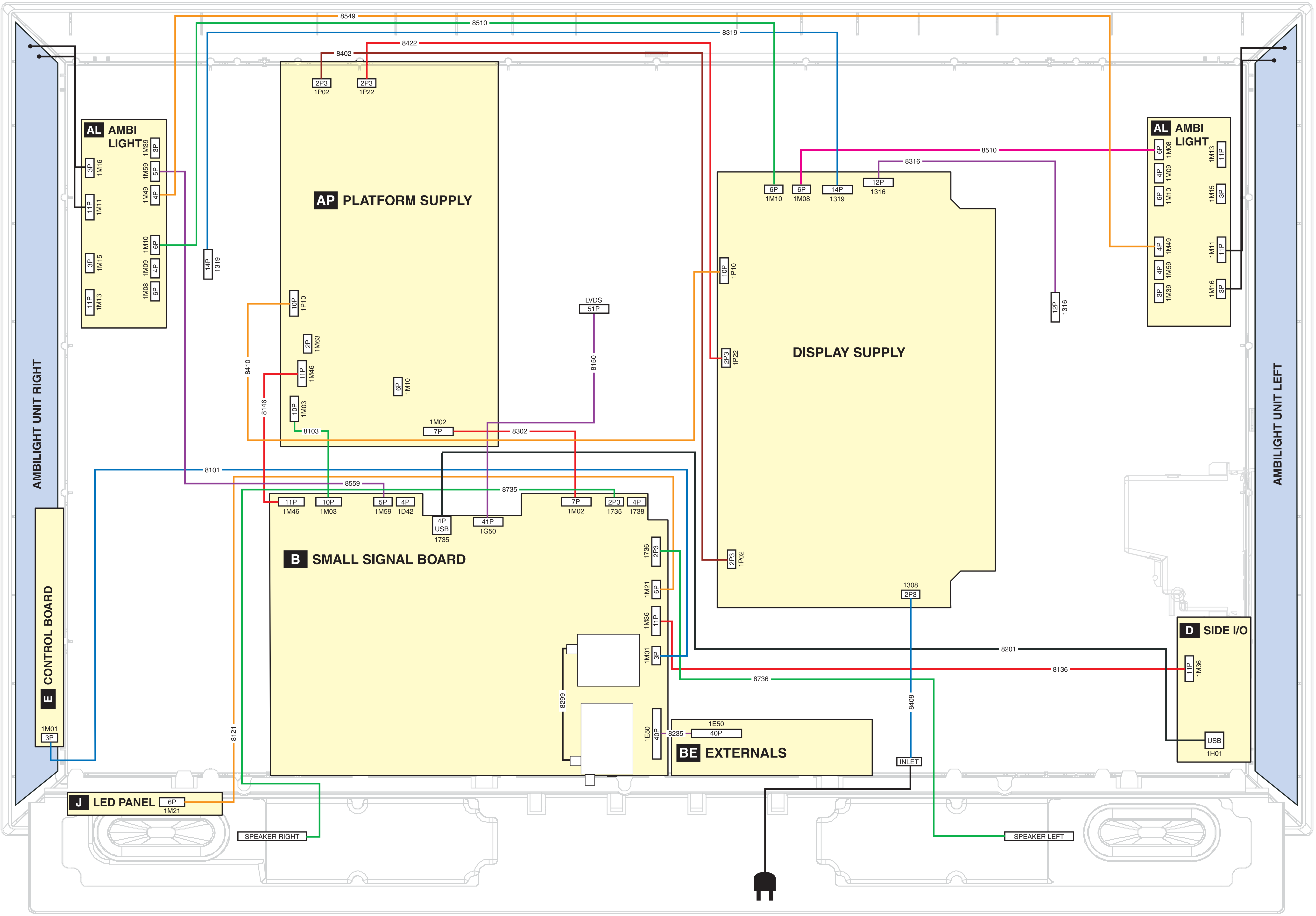
## Wiring Diagram 42” TOP B


WIRING 42” TOP B
2X AMBILIGHT UNIT TOP
8539
8508
8422
8402
2P3 1P02
2P3 1P22
8319
AL AMBI LIGHT
3P 1M39
3P 1M16
5P 1M59
4P 1M49
11P 1M11
6P 1M10
3P 1M15
4P 1M09
6P 1M08
11P 1M13
14P 1319
AP PLATFORM SUPPLY
10P 1P10
2P 1M63
11P 1M46
10P 1M03
6P 1M10
1M02 7P
8410
8146
8103
8302
LVDS 30P
8150
8510
8316
6P 1M10
6P 1M08
14P 1319
12P 1316
10P 1P10
2P3 1P22
DISPLAY SUPPLY
2P3 1P02
1308 2P3
12P 1316
AL AMBI LIGHT
6P 1M08
4P 1M09
6P 1M10
4P 1M49
4P 1M59
3P 1M39
11P 1M13
3P 1M15
11P 1M11
3P 1M16
AMBILIGHT UNIT RIGHT
AMBILIGHT UNIT LEFT
8101
8559
8735
11P 1M46
10P 1M03
5P 1M59
4P 1D42
4P USB 1735
41P 1G50
7P 1M02
2P3 1735
4P 1738
B SMALL SIGNAL BOARD
1736 2P3
1M21 6P
1M36 11P
1M01 3P
1E50 40P
8299
8121
8235
8736
8136
1E50 40P
BE EXTERNALS
8408
INLET
E CONTROL BOARD
1M01 3P
MEMORY CARD READER + 2x USB
11P 1M36
D SIDE I/O
J LED PANEL
6P 1M21
SPEAKER RIGHT
SPEAKER LEFT

G_15990_173.eps
191006

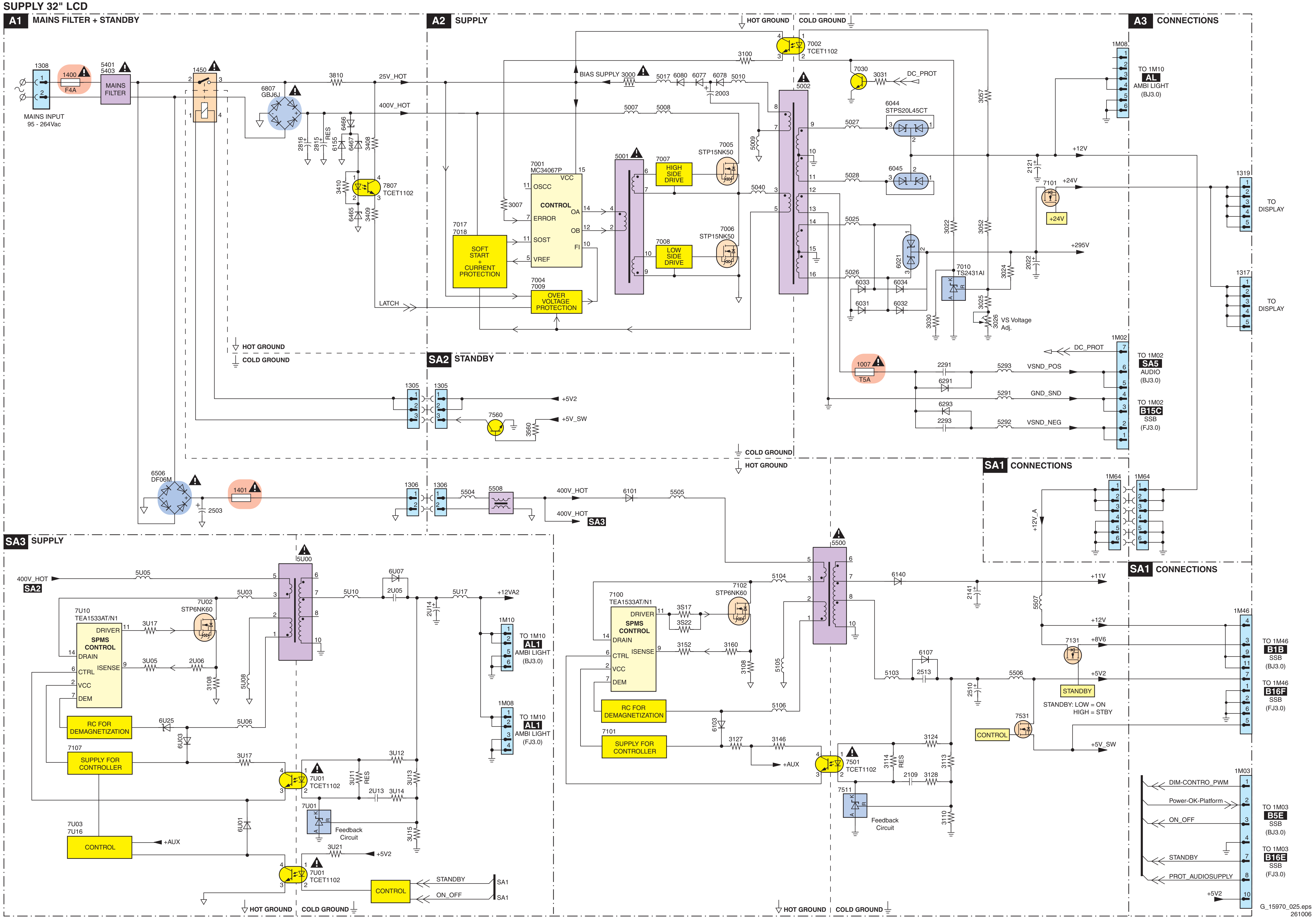
## Wiring Diagram 42” STEP 2k6

WIRING 42” STEP 2K6


8549
8510
8319
8422
8402
2P3 1P02
2P3 1P22
AL AMBI LIGHT
3P 1M39
3P 1M16
5P 1M59
4P 1M49
11P 1M11
6P 1M10
4P 1M09
3P 1M15
6P 1M08
11P 1M13
14P 1319
AP PLATFORM SUPPLY
10P 1P10
2P 1M63
11P 1M46
10P 1M03
6P 1M10
1M02 7P
8410
8146
8103
8302
LVDS 51P
8150
6P 1M10
6P 1M08
14P 1319
12P 1316
8316
8510
10P 1P10
2P3 1P22
2P3 1P02
DISPLAY SUPPLY
1308 2P3
12P 1316
AL AMBI LIGHT
6P 1M08
4P 1M09
6P 1M10
4P 1M49
4P 1M59
3P 1M39
11P 1M13
3P 1M15
11P 1M11
3P 1M16
AMBILIGHT UNIT RIGHT
AMBILIGHT UNIT LEFT
8101
8559
8735
11P 1M46
10P 1M03
5P 1M59
4P 1D42
4P USB 1735
41P 1G50
7P 1M02
2P3 1735
4P 1738
B SMALL SIGNAL BOARD
1736 2P3
1M21 6P
1M36 11P
1M01 3P
1E50 40P
8299
8235
1E50 40P
BE EXTERNALS
8201
8136
8736
8408
INLET
D SIDE I/O
11P 1M36
USB 1H01
E CONTROL BOARD
1M01 3P
8121
J LED PANEL
6P 1M21
SPEAKER RIGHT
SPEAKER LEFT

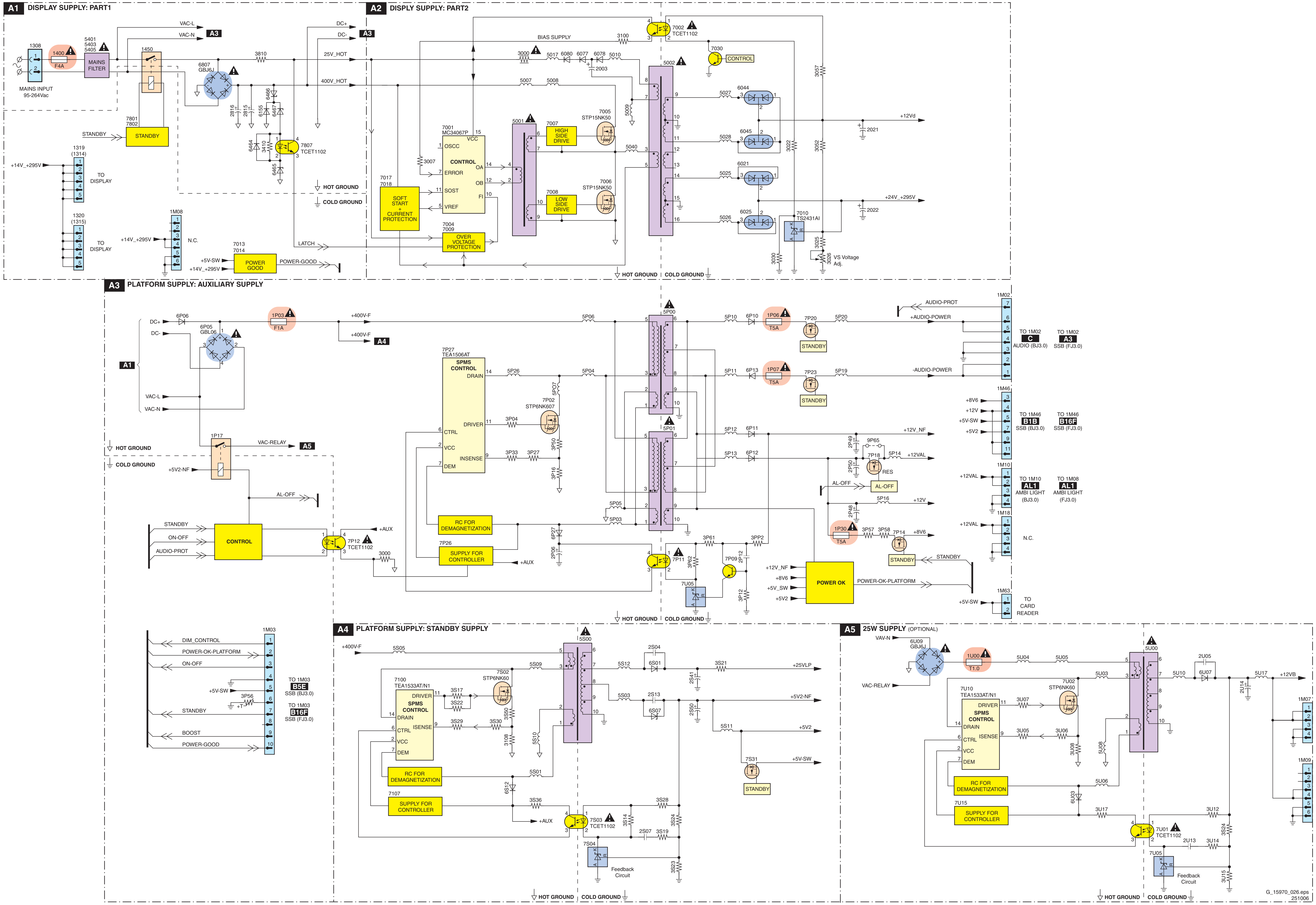
G_15990_183.eps
311006

## Block Diagram Supply 32” LCD


SUPPLY 32" LCD
A1 MAINS FILTER + STANDBY
A2 SUPPLY
A3 CONNECTIONS
SA1 CONNECTIONS
SA2 STANDBY
SA3 SUPPLY
HOT GROUND
COLD GROUND
1308
MAINS INPUT
95 - 264Vac
1400
F4A
5401
5403
MAINS FILTER
1450
6807
GBJ6J
3810
25V_HOT
400V_HOT
2816
2815
RES
6155
6466
6467
3408
3410
7807
TCET1102
6465
3409
LATCH
7017
7018
SOFT START + CURRENT PROTECTION
7001
MC34067P
VCC
OSCC
CONTROL
ERROR
SOST
VREF
OA
OB
FI
3007
7004
7009
OVER VOLTAGE PROTECTION
BIAS SUPPLY 3000
5017 6080 6077 6078 5010
2003
5007 5008
5001
7007
HIGH SIDE DRIVE
7005
STP15NK50
7008
LOW SIDE DRIVE
7006
STP15NK50
5040
5009
5002
3100
7002
TCET1102
7030
3031
DC_PROT
6044
STPS20L45CT
5027
6045
5028
5025
6021
5026
6033 6034
6031 6032
3057
3022
3052
+12V
2121
7101
+24V
+24V
+295V
7010
TS2431AI
3024
2022
3025
3026
VS Voltage Adj.
3030
1M08
TO 1M10
AL
AMBI LIGHT
(BJ3.0)
1319
TO DISPLAY
1317
TO DISPLAY
1M02
DC_PROT
1007
T5A
2291
6291
5293
VSND_POS
5291
GND_SND
6293
2293
5292
VSND_NEG
TO 1M02
SA5
AUDIO
(BJ3.0)
TO 1M02
B15C
SSB
(FJ3.0)
1305
+5V2
7560
3560
+5V_SW
1306
6506
DF06M
1401
2503
5504
5508
400V_HOT
6101
5505
SA3
1M64
+12V_A
5500
5104
6140
+11V
2141
5507
7100
TEA1533AT/N1
DRIVER
SPMS CONTROL
DRAIN
CTRL
ISENSE
VCC
DEM
7102
STP6NK60
3S17
3S22
3152
3160
3108
5105
RC FOR DEMAGNETIZATION
7101
SUPPLY FOR CONTROLLER
5106
6103
3127
3146
+AUX
6107
5103
2513
2510
5506
+5V2
7131
+8V6
STANDBY
STANDBY: LOW = ON HIGH = STBY
7531
CONTROL
+5V_SW
3124
7501
TCET1102
3114
RES
3113
2109
3128
7511
Feedback Circuit
3110
1M46
TO 1M46
B1B
SSB
(BJ3.0)
TO 1M46
B16F
SSB
(FJ3.0)
1M03
DIM-CONTRO_PWM
Power-OK-Platform
ON_OFF
STANDBY
PROT_AUDIOSUPPLY
+5V2
TO 1M03
B5E
SSB
(BJ3.0)
TO 1M03
B16E
SSB
(FJ3.0)
400V_HOT
SA2
5U05
5U03
7U10
TEA1533AT/N1
7U02
STP6NK60
3U17
3U05
2U06
3108
5U08
I5U00
6U07
2U05
5U10
5U17
+12VA2
2U14
1M10
TO 1M10
AL1
AMBI LIGHT
(BJ3.0)
1M08
TO 1M10
AL1
AMBI LIGHT
(FJ3.0)
6U25
5U06
6U03
7107
3U17
3U12
7U01
TCET1102
3U11
RES
3U13
2U13
3U14
7U01
Feedback Circuit
3U15
7U03
7U16
CONTROL
+AUX
6U01
3U21
+5V2
7U01
TCET1102
CONTROL
STANDBY
ON_OFF
SA1
G_15970_025.eps
261006

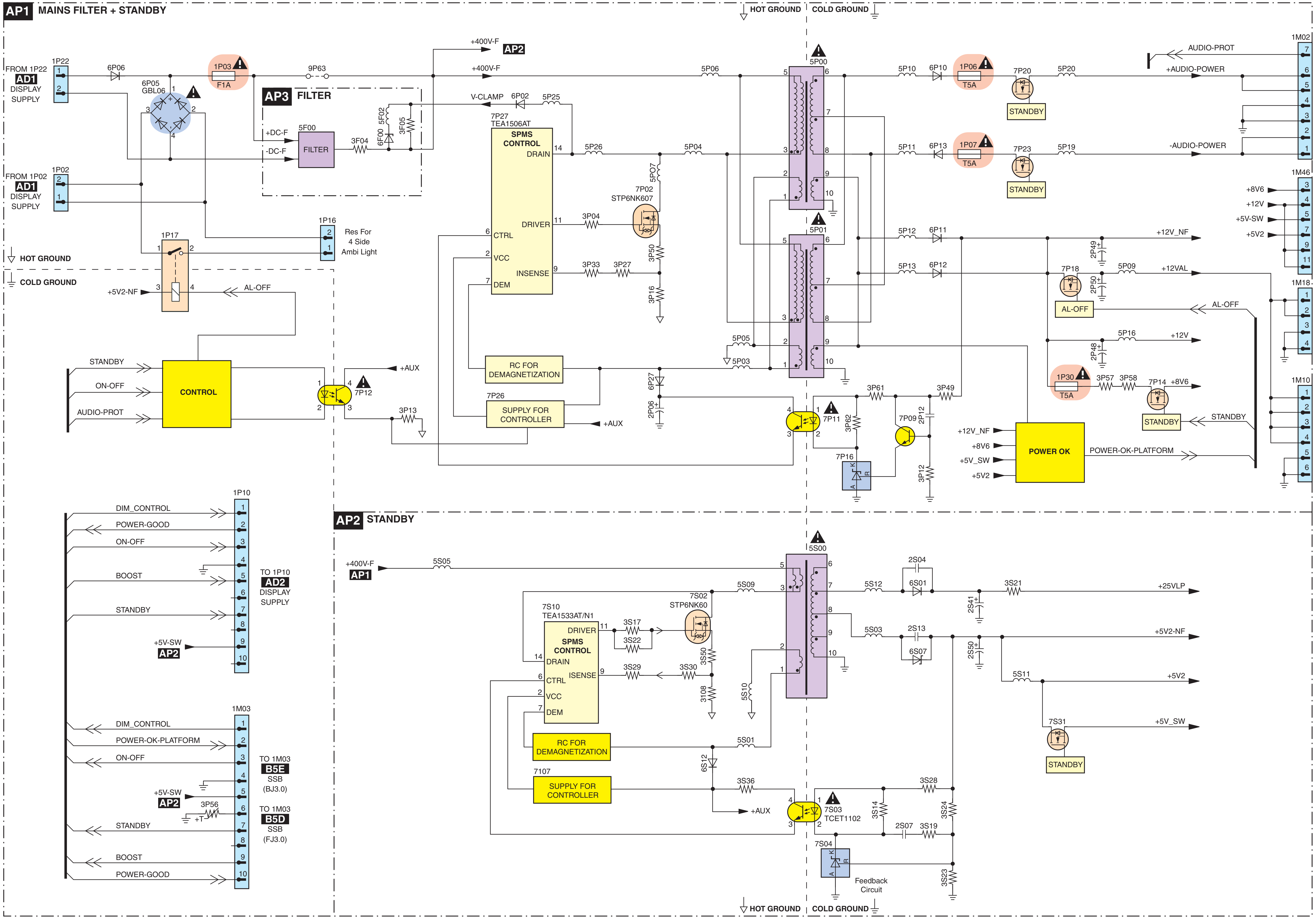
# Block Diagram Display/Platform Supply 37" LCD

SUPPLY 37" LCD

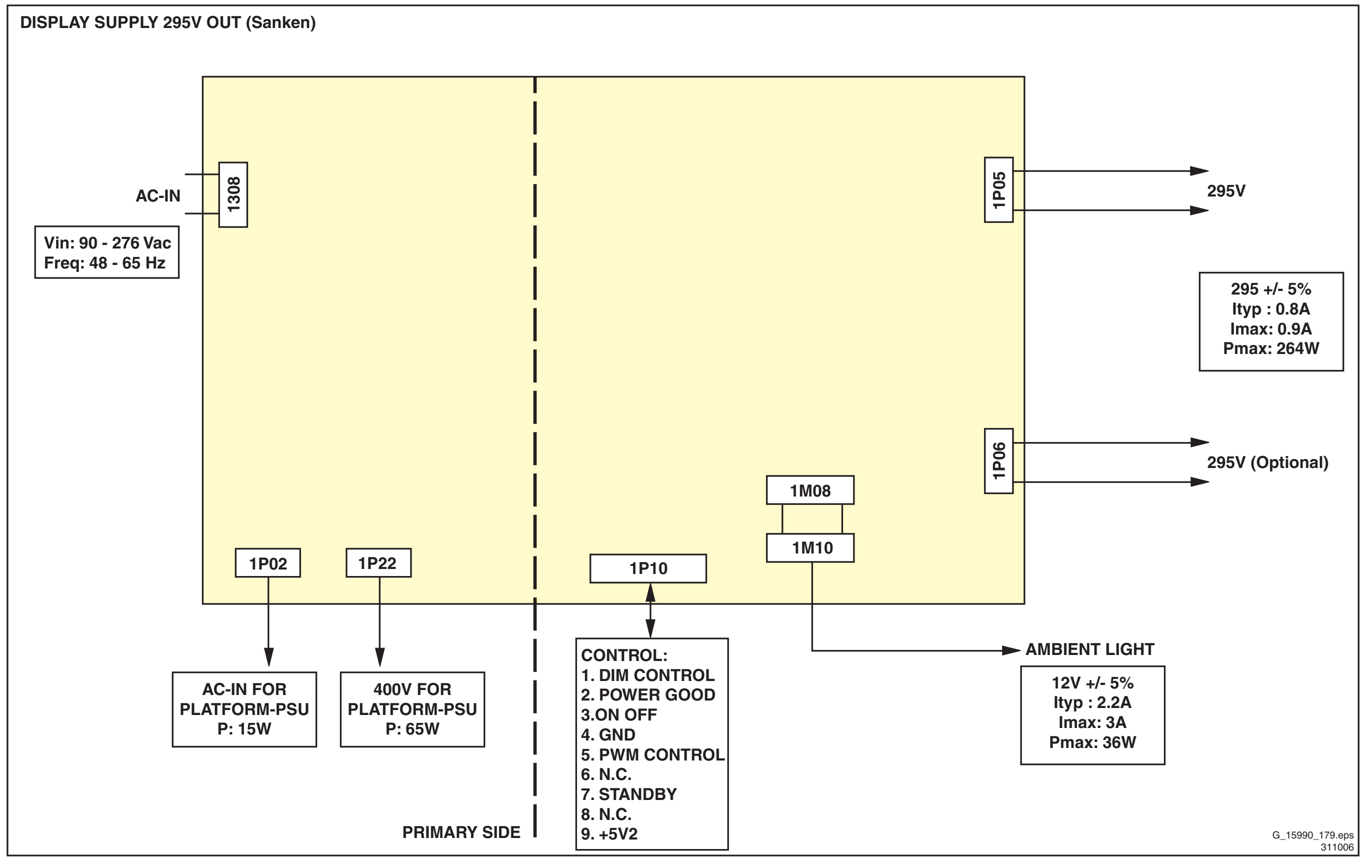

A1 DISPLAY SUPPLY: PART1
A2 DISPLAY SUPPLY: PART2
A3 PLATFORM SUPPLY: AUXILIARY SUPPLY
A4 PLATFORM SUPPLY: STANDBY SUPPLY
A5 25W SUPPLY (OPTIONAL)
MAINS INPUT
95-264Vac
1308
1400
F4A
5401
5403
5405
MAINS FILTER
1450
7801
7802
STANDBY
6807
GBJ6J
3810
25V_HOT
400V_HOT
VAC-L
VAC-N
DC+
DC-
7807
TCET1102
HOT GROUND
COLD GROUND
+14V_+295V
1319
(1314)
1320
(1315)
TO DISPLAY
1M08
N.C.
7013
7014
POWER GOOD
POWER-GOOD
+5V-SW
LATCH
7017
7018
SOFT START + CURRENT PROTECTION
7001
MC34067P
VCC
OSCC
CONTROL
ERROR
SOST
VREF
OA
OB
FI
7004
7009
OVER VOLTAGE PROTECTION
3007
BIAS SUPPLY
3100
3000
5017
6080
6077
6078
5010
2003
5007
5008
5001
7007
HIGH SIDE DRIVE
7008
LOW SIDE DRIVE
7005
STP15NK50
7006
STP15NK50
5040
5009
5002
7002
TCET1102
7030
CONTROL
6044
5027
6045
5028
6021
5025
6025
5026
+12Vd
2021
+24V_+295V
2022
7010
TS2431AI
3025
3026
3030
VS Voltage Adj.
3057
3022
3002
1P03
F1A
+400V-F
6P06
6P05
GBL06
VAC-RELAY
1P17
+5V2-NF
AL-OFF
CONTROL
ON-OFF
AUDIO-PROT
7P12
TCET1102
+AUX
3000
7P27
TEA1506AT
SPMS CONTROL
DRAIN
DRIVER
CTRL
VCC
INSENSE
DEM
5P26
5P04
5P07
7P02
STP6NK60
3P04
3P33
3P27
3P50
3P16
5P06
5P00
5P01
5P05
5P03
RC FOR DEMAGNETIZATION
7P26
SUPPLY FOR CONTROLLER
6P27
2P06
7P11
3P61
3PP2
3P62
7P09
2P12
3P12
7U05
5P10
6P10
1P06
T5A
7P20
5P20
5P11
6P13
1P07
7P23
5P19
+AUDIO-POWER
-AUDIO-POWER
5P12
6P11
5P13
6P12
+12V_NF
2P49
9P65
7P18
RES
5P14
+12VAL
2P50
AL-OFF
2P48
5P16
+12V
1P30
3P57
3P58
7P14
+8V6
POWER OK
POWER-OK-PLATFORM
+5V_SW
+5V2
1M02
TO 1M02
C
AUDIO (BJ3.0)
A3
SSB (FJ3.0)
1M46
TO 1M46
B1B
SSB (BJ3.0)
B16F
SSB (FJ3.0)
1M10
TO 1M10
AL1
AMBI LIGHT (BJ3.0)
TO 1M08
AMBI LIGHT (FJ3.0)
1M18
1M63
TO CARD READER
1M03
DIM_CONTROL
ON-OFF
BOOST
3P56
TO 1M03
B5E
SSB (BJ3.0)
B16F
SSB (FJ3.0)
5S05
7100
TEA1533AT/N1
7S02
STP6NK60
3S17
3S22
3S29
3S30
3S50
3108
5S09
5S10
5S00
5S12
6S01
2S04
3S21
+25VLP
2S41
5S03
2S13
6S07
+5V2-NF
2S50
5S11
+5V2
7S31
+5V-SW
5S01
6S12
7107
3S36
3S28
7S03
TCET1102
3S14
2S07
3S19
3S24
7S04
Feedback Circuit
3S23
VAV-N
6U09
GBJ6J
1U00
T1.0
5U04
5U05
5U03
7U10
TEA1533AT/N1
7U02
STP6NK60
3U07
3U05
3U06
3U08
5U08
5U00
2U05
5U10
6U07
5U17
+12VB
2U14
1M07
1M09
5U06
6U03
7U15
3U17
3U12
7U01
TCET1102
2U13
3U14
3S24
7U05
3U15
G_15970_026.eps
251006

# Block Diagram Platform Supply 42”

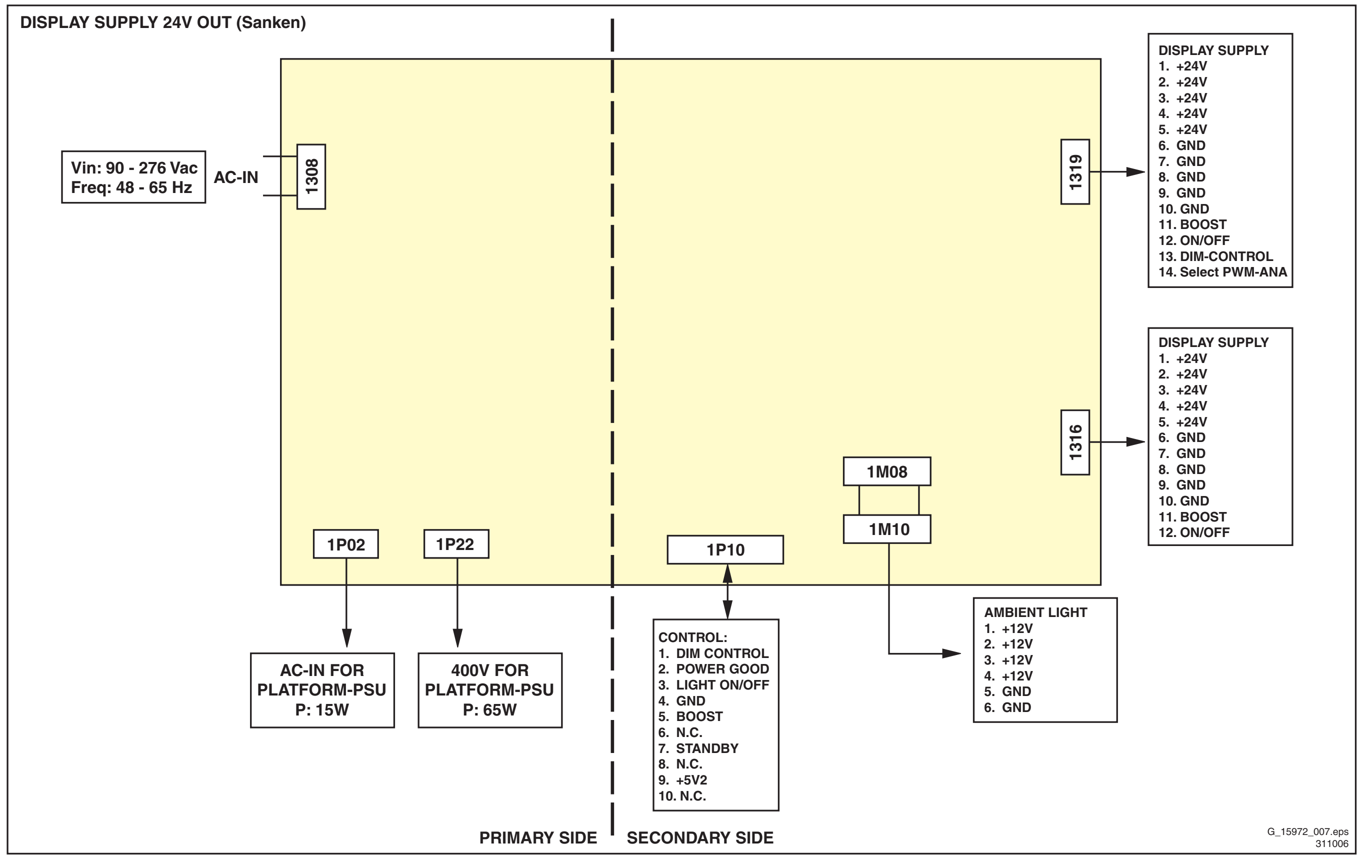
PLATFORM SUPPLY 42”


AP1 MAINS FILTER + STANDBY
HOT GROUND
COLD GROUND
FROM 1P22
AD1
DISPLAY
SUPPLY
1P22
6P06
6P05
GBL06
1P03
F1A
9P63
+400V-F
AP2
AP3 FILTER
+DC-F
-DC-F
5F00
FILTER
3F04
6F00
5F02
3F05
V-CLAMP
6P02
5P25
7P27
TEA1506AT
SPMS
CONTROL
DRAIN
DRIVER
CTRL
VCC
INSENSE
DEM
5P26
5P04
5P07
7P02
STP6NK607
3P04
3P50
3P33
3P27
3P16
5P00
5P01
5P06
5P05
5P03
6P27
2P06
FROM 1P02
1P02
1P16
Res For
4 Side
Ambi Light
1P17
+5V2-NF
AL-OFF
STANDBY
ON-OFF
AUDIO-PROT
CONTROL
7P12
+AUX
3P13
RC FOR
DEMAGNETIZATION
7P26
SUPPLY FOR
CONTROLLER
5P10
6P10
1P06
T5A
7P20
STANDBY
5P20
5P11
6P13
1P07
7P23
5P19
AUDIO-PROT
+AUDIO-POWER
-AUDIO-POWER
1M02
TO 1M02
C
SSB
(BJ3.0)
B15C
(FJ3.0)
1M46
+8V6
+12V
+5V-SW
+5V2
TO 1M46
B1B
B16F
5P12
6P11
+12V_NF
2P49
5P13
6P12
7P18
2P50
5P09
+12VAL
AL-OFF
1M18
TO 1M09
AL
AMBI LIGHT
5P16
2P48
1P30
3P57
3P58
7P14
1M10
TO 1M10
3P61
3P49
7P11
3P62
7P09
2P12
7P16
3P12
+12V_NF
+8V6
+5V_SW
+5V2
POWER OK
POWER-OK-PLATFORM
1P10
DIM_CONTROL
POWER-GOOD
BOOST
TO 1P10
AD2
+5V-SW
1M03
POWER-OK-PLATFORM
TO 1M03
B5E
B5D
3P56
AP2 STANDBY
+400V-F
AP1
5S05
5S00
7S10
TEA1533AT/N1
7S02
STP6NK60
5S09
3S17
3S22
3S50
3S29
3S30
3108
5S10
ISENSE
5S01
6S12
7107
3S36
+AUX
7S03
TCET1102
3S14
3S28
3S24
2S07
3S19
7S04
3S23
Feedback
Circuit
2S04
6S01
5S12
3S21
+25VLP
2S41
5S03
2S13
6S07
+5V2-NF
2S50
5S11
+5V2
7S31
+5V_SW
STANDBY

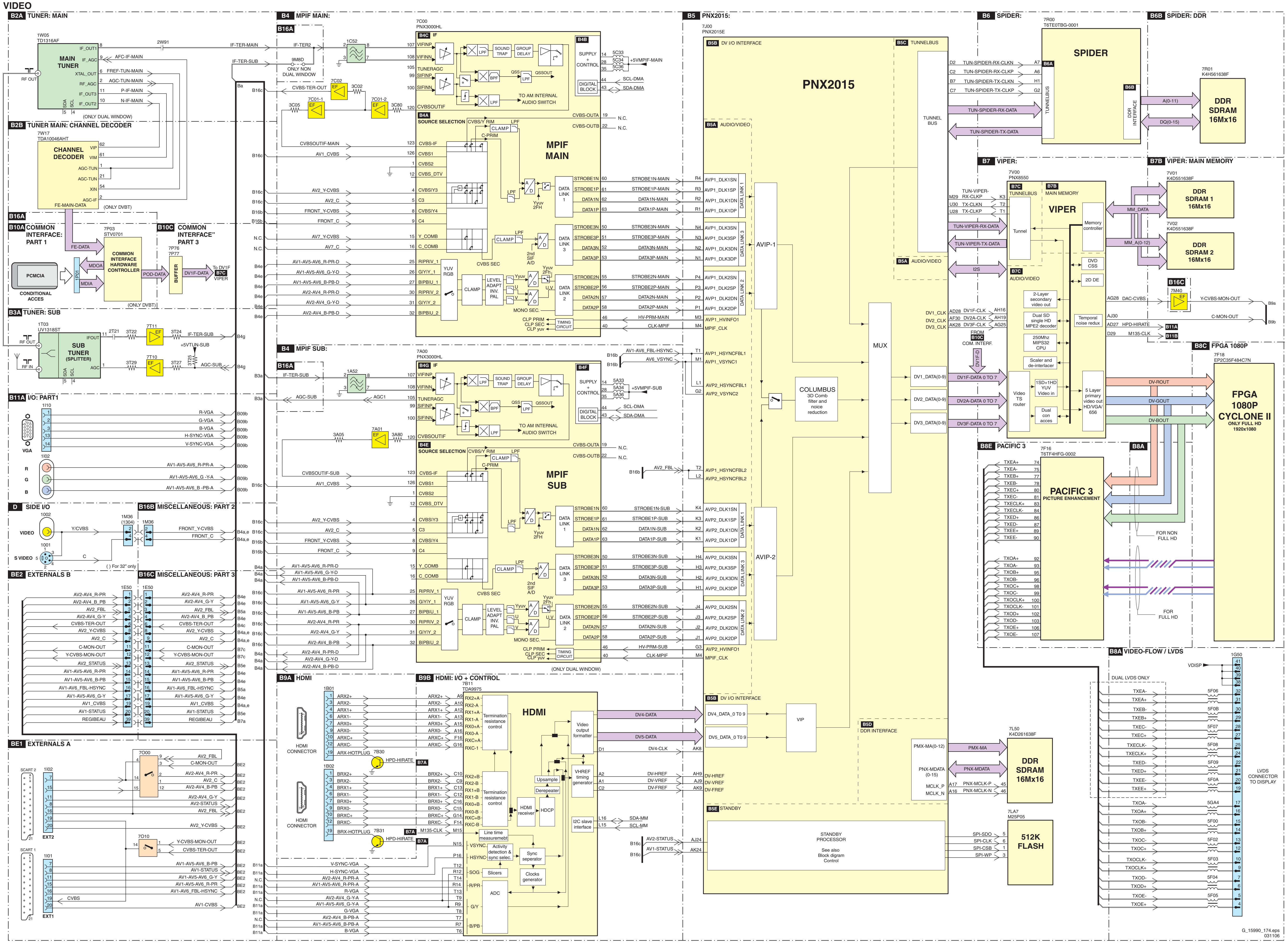
## Block Diagram Display Supply 295V (Sanken)


DISPLAY SUPPLY 295V OUT (Sanken)
AC-IN
1308
Vin: 90 - 276 Vac
Freq: 48 - 65 Hz
1P05
295V
295 +/- 5%
Ityp : 0.8A
Imax: 0.9A
Pmax: 264W
1P06
295V (Optional)
1M08
1M10
1P02
1P22
1P10
AMBIENT LIGHT
12V +/- 5%
Ityp : 2.2A
Imax: 3A
Pmax: 36W
AC-IN FOR
PLATFORM-PSU
P: 15W
400V FOR
PLATFORM-PSU
P: 65W
CONTROL:
1. DIM CONTROL
2. POWER GOOD
3.ON OFF
4. GND
5. PWM CONTROL
6. N.C.
7. STANDBY
8. N.C.
9. +5V2
PRIMARY SIDE
G_15990_179.eps
311006

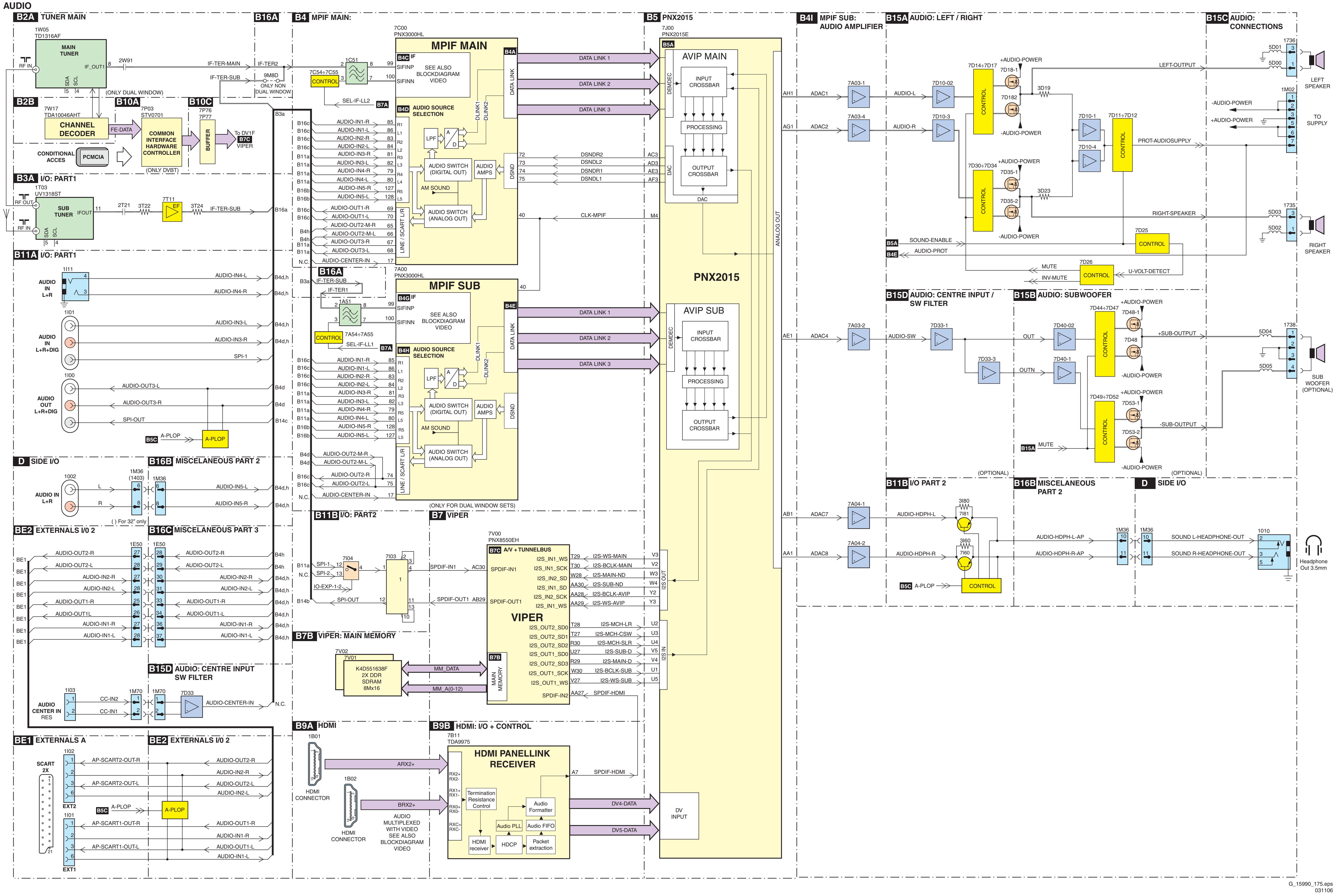
## Block Diagram Display Supply 24V (Sanken)


DISPLAY SUPPLY 24V OUT (Sanken)
Vin: 90 - 276 Vac
Freq: 48 - 65 Hz
AC-IN
1308
1319
DISPLAY SUPPLY
1. +24V
2. +24V
3. +24V
4. +24V
5. +24V
6. GND
7. GND
8. GND
9. GND
10. GND
11. BOOST
12. ON/OFF
13. DIM-CONTROL
14. Select PWM-ANA
1316
DISPLAY SUPPLY
1. +24V
2. +24V
3. +24V
4. +24V
5. +24V
6. GND
7. GND
8. GND
9. GND
10. GND
11. BOOST
12. ON/OFF
1M08
1M10
1P02
1P22
1P10
AC-IN FOR
PLATFORM-PSU
P: 15W
400V FOR
PLATFORM-PSU
P: 65W
CONTROL:
1. DIM CONTROL
2. POWER GOOD
3. LIGHT ON/OFF
4. GND
5. BOOST
6. N.C.
7. STANDBY
8. N.C.
9. +5V2
10. N.C.
AMBIENT LIGHT
1. +12V
2. +12V
3. +12V
4. +12V
5. GND
6. GND
PRIMARY SIDE
SECONDARY SIDE
G_15972_007.eps
311006

# Block Diagram Video


VIDEO
B2A TUNER: MAIN
1W05
TD1316AF
MAIN TUNER
RF OUT
B2B TUNER MAIN: CHANNEL DECODER
7W17
TDA10046AHT
CHANNEL DECODER
(ONLY DUAL WINDOW)
(ONLY DVBT)
B16A
B10A COMMON INTERFACE: PART 1
7P03
STV0701
COMMON INTERFACE HARDWARE CONTROLLER
PCMCIA
CONDITIONAL ACCES
B10C COMMON INTERFACE" PART 3
7P76
7P77
BUFFER
To DV1F
B7C
VIPER
B3A TUNER: SUB
1T03
UV1318ST
SUB TUNER (SPLITTER)
B11A I/O: PART1
1I10
VGA
1I02
R
G
B
D SIDE I/O
VIDEO
S VIDEO
1002
1001
1M36
B16B MISCELLANEOUS: PART 2
BE2 EXTERNALS B
B16C MISCELLANEOUS: PART 3
1E50
BE1 EXTERNALS A
7O00
7O10
1I02
SCART 2
EXT2
1I01
SCART 1
EXT1
B4 MPIF MAIN:
7C00
PNX3000HL
B4C IF
B4B
SUPPLY + CONTROL
DIGITAL BLOCK
SOUND TRAP
GROUP DELAY
TO AM INTERNAL AUDIO SWITCH
B4A SOURCE SELECTION
MPIF MAIN
DATA LINK 1
DATA LINK 3
DATA LINK 2
CLAMP
CVBS SEC
MONO SEC.
TIMING CIRCUIT
B4 MPIF SUB:
7A00
PNX3000HL
B4G IF
B4F
B4E SOURCE SELECTION
MPIF SUB
(ONLY DUAL WINDOW)
B9A HDMI
1B01
HDMI CONNECTOR
1B02
HDMI CONNECTOR
B9B HDMI: I/O + CONTROL
7B11
TDA9975
HDMI
Termination resistance control
Video output formatter
VHREF timing generator
Upsample
Derepeater
HDMI receiver
HDCP
I2C slave interface
Line time measurement
Activity detection & sync selec.
Sync separator
Slicers
Clocks generator
ADC
B5 PNX2015:
7J00
PNX2015E
B5B DV I/O INTERFACE
B5C TUNNELBUS
PNX2015
B5A AUDIO/VIDEO
TUNNEL BUS
AVIP-1
AVIP-2
COLUMBUS 3D Comb filter and noice reduction
MUX
VIP
B5D DDR INTERFACE
B5E STANDBY
STANDBY PROCESSOR
See also Block digram Control
B6 SPIDER:
7R00
T6TE0TBG-0001
SPIDER
B6A
B6B
TUNNELBUS
DDR INTERFACE
B6B SPIDER: DDR
7R01
K4H561638F
DDR SDRAM 16Mx16
B7 VIPER:
7V00
PNX8550
B7C TUNNELBUS
B7B MAIN MEMORY
VIPER
Tunnel
Memory controller
B7C AUDIO/VIDEO
DVD CSS
2D DE
2-Layer secondary video out
Dual SD single HD MPE2 decoder
Temporal noise redux
250Mhz MIPS32 CPU
Scaler and de-interlacer
Video TS router
1SD+1HD YUV Video in
5 Layer primary video out HD/VGA/656
Dual con acces
B7B VIPER: MAIN MEMORY
7V01
K4D551638F
DDR SDRAM 1 16Mx16
7V02
K4D551638F
DDR SDRAM 2 16Mx16
B16C
7M40
B8C FPGA 1080P
7F18
EP2C35F484C7N
FPGA 1080P CYCLONE II
ONLY FULL HD 1920x1080
B8E PACIFIC 3
7F16
T6TF4HFG-0002
PACIFIC 3
PICTURE ENHANCEMENT
B8A
FOR NON FULL HD
FOR FULL HD
B8A VIDEO-FLOW / LVDS
DUAL LVDS ONLY
1G50
LVDS CONNECTOR TO DISPLAY
7L50
K4D261638F
DDR SDRAM 16Mx16
7LA7
M25P05
512K FLASH
G_15990_174.eps
031106

# Block Diagram Audio


AUDIO
B2A TUNER MAIN
1W05 TD1316AF
MAIN TUNER
RF IN
IF_OUT1
SDA SCL
2W91
IF-TER-MAIN
IF-TER2
IF-TER-SUB
9M8D
ONLY NON DUAL WINDOW
(ONLY DUAL WINDOW)
B16A
B4 MPIF MAIN:
B5 PNX2015
B4I MPIF SUB: AUDIO AMPLIFIER
B15A AUDIO: LEFT / RIGHT
B15C AUDIO: CONNECTIONS
B2B
7W17 TDA10046AHT
CHANNEL DECODER
FE-DATA
B10A
7P03 STV0701
COMMON INTERFACE HARDWARE CONTROLLER
B10C
7P76 7P77
BUFFER
To DV1F B7C VIPER
CONDITIONAL ACCES
PCMCIA
(ONLY DVBT)
B3A I/O: PART1
1T03 UV1318ST
SUB TUNER
IFOUT
RF OUT
2T21 3T22 7T11 EF 3T24
B11A I/O: PART1
1I11
AUDIO IN L+R
AUDIO-IN4-L
AUDIO-IN4-R
1I01
AUDIO IN L+R+DIG
AUDIO-IN3-L
AUDIO-IN3-R
SPI-1
1I00
AUDIO OUT L+R+DIG
AUDIO-OUT3-L
AUDIO-OUT3-R
SPI-OUT
A-PLOP
B5C
D SIDE I/O
1002
AUDIO IN L+R
1M36 (1403)
( ) For 32" only
B16B MISCELANEOUS PART 2
AUDIO-IN5-L
AUDIO-IN5-R
BE2 EXTERNALS I/0 2
B16C MISCELANEOUS PART 3
1E50
AUDIO-OUT2-R
AUDIO-OUT2-L
AUDIO-IN2-R
AUDIO-IN2-L
AUDIO-OUT1-R
AUDIO-OUT1-L
AUDIO-IN1-R
AUDIO-IN1-L
B15D AUDIO: CENTRE INPUT SW FILTER
1I03
AUDIO CENTER IN RES
CC-IN2
CC-IN1
1M70
7D33
AUDIO-CENTER-IN
BE1 EXTERNALS A
BE2 EXTERNALS I/0 2
1I02
SCART 2X
AP-SCART2-OUT-R
AP-SCART2-OUT-L
EXT2
1I01
AP-SCART1-OUT-R
AP-SCART1-OUT-L
EXT1
A-PLOP
7C00 PNX3000HL
MPIF MAIN
B4C IF
SIFINP
SIFINN
SEE ALSO BLOCKDIAGRAM VIDEO
1C51
7C54÷7C55
CONTROL
SEL-IF-LL2
B7A
B4D AUDIO SOURCE SELECTION
LPF
A/D
AUDIO SWITCH (DIGITAL OUT)
AUDIO AMPS
AM SOUND
AUDIO SWITCH (ANALOG OUT)
LINE / SCART L/R
DSND
DLINK1
DLINK2
DATA LINK
B4A
DATA LINK 1
DATA LINK 2
DATA LINK 3
DSNDR2
DSNDL2
DSNDR1
DSNDL1
CLK-MPIF
AUDIO-CENTER-IN
7A00 PNX3000HL
MPIF SUB
B4G IF
7A51
7A54÷7A55
SEL-IF-LL1
B4H AUDIO SOURCE SELECTION
B4E
(ONLY FOR DUAL WINDOW SETS)
7J00 PNX2015E
B5A
AVIP MAIN
DEMDEC
INPUT CROSSBAR
PROCESSING
OUTPUT CROSSBAR
DAC
AVIP SUB
PNX2015
ANALOG OUT
I2S OUT
I2S IN
DV INPUT
B11B I/O: PART2
7I04
7I03
SPI-1
SPI-2
IO-EXP-1-2
SPI-OUT
SPDIF-IN1
SPDIF-OUT1
B7 VIPER
7V00 PNX8550EH
B7C A/V + TUNNELBUS
VIPER
I2S_IN1_WS
I2S_IN1_SCK
I2S_IN2_SD
I2S_IN1_SD
I2S_IN2_SCK
I2S_IN1_WS
I2S_OUT2_SD0
I2S_OUT2_SD1
I2S_OUT2_SD2
I2S_OUT1_SD0
I2S_OUT2_SD3
I2S_OUT1_SCK
I2S_OUT1_WS
SPDIF-IN2
I2S-WS-MAIN
I2S-BCLK-MAIN
I2S-MAIN-ND
I2S-SUB-ND
I2S-BCLK-AVIP
I2S-WS-AVIP
I2S-MCH-LR
I2S-MCH-CSW
I2S-MCH-SLR
I2S-SUB-D
I2S-MAIN-D
I2S-BCLK-SUB
I2S-WS-SUB
SPDIF-HDMI
B7B VIPER: MAIN MEMORY
7V02 7V01
K4D551638F 2X DDR SDRAM 8Mx16
MM_DATA
MM_A(0-12)
MAIN MEMORY
B9A HDMI
1B01
HDMI CONNECTOR
1B02
HDMI CONNECTOR
ARX2+
BRX2+
AUDIO MULTIPLEXED WITH VIDEO SEE ALSO BLOCKDIAGRAM VIDEO
B9B HDMI: I/O + CONTROL
7B11 TDA9975
HDMI PANELLINK RECEIVER
Termination Resistance Control
Audio Formatter
Audio PLL
Audio FIFO
HDMI receiver
HDCP
Packet extraction
DV4-DATA
DV5-DATA
ADAC1
ADAC2
ADAC4
ADAC7
ADAC8
7A03-1
7A03-4
7A03-2
7A04-1
7A04-2
AUDIO-L
AUDIO-R
7D10-02
7D10-3
7D14÷7D17
7D18-1
7D182
+AUDIO-POWER
-AUDIO-POWER
CONTROL
3D19
7D10-1
7D10-4
7D11÷7D12
PROT-AUDIOSUPPLY
7D30÷7D34
7D35-1
7D35-2
3D23
LEFT-OUTPUT
RIGHT-SPEAKER
7D25
SOUND-ENABLE
AUDIO-PROT
B5A
B4E
7D26
MUTE
INV-MUTE
U-VOLT-DETECT
1736
5D01
5D00
LEFT SPEAKER
1M02
TO SUPPLY
1735
5D03
5D02
RIGHT SPEAKER
B15D AUDIO: CENTRE INPUT / SW FILTER
AUDIO-SW
7D33-1
7D33-3
B15B AUDIO: SUBWOOFER
OUT
OUTN
7D40-02
7D40-1
7D44÷7D47
7D48-1
7D48
+SUB-OUTPUT
7D49÷7D52
7D53-1
7D53-2
-SUB-OUTPUT
B15A MUTE
1738
5D04
5D05
SUB WOOFER (OPTIONAL)
(OPTIONAL)
B11B I/O PART 2
B16B MISCELANEOUS PART 2
D SIDE I/O
AUDIO-HDPH-L
AUDIO-HDPH-R
3I80
7I81
3I60
7I60
AUDIO-HDPH-L-AP
AUDIO-HDPH-R-AP
1M36
1010
SOUND L-HEADPHONE-OUT
SOUND R-HEADPHONE-OUT
Headphone Out 3.5mm
B5C A-PLOP
CONTROL

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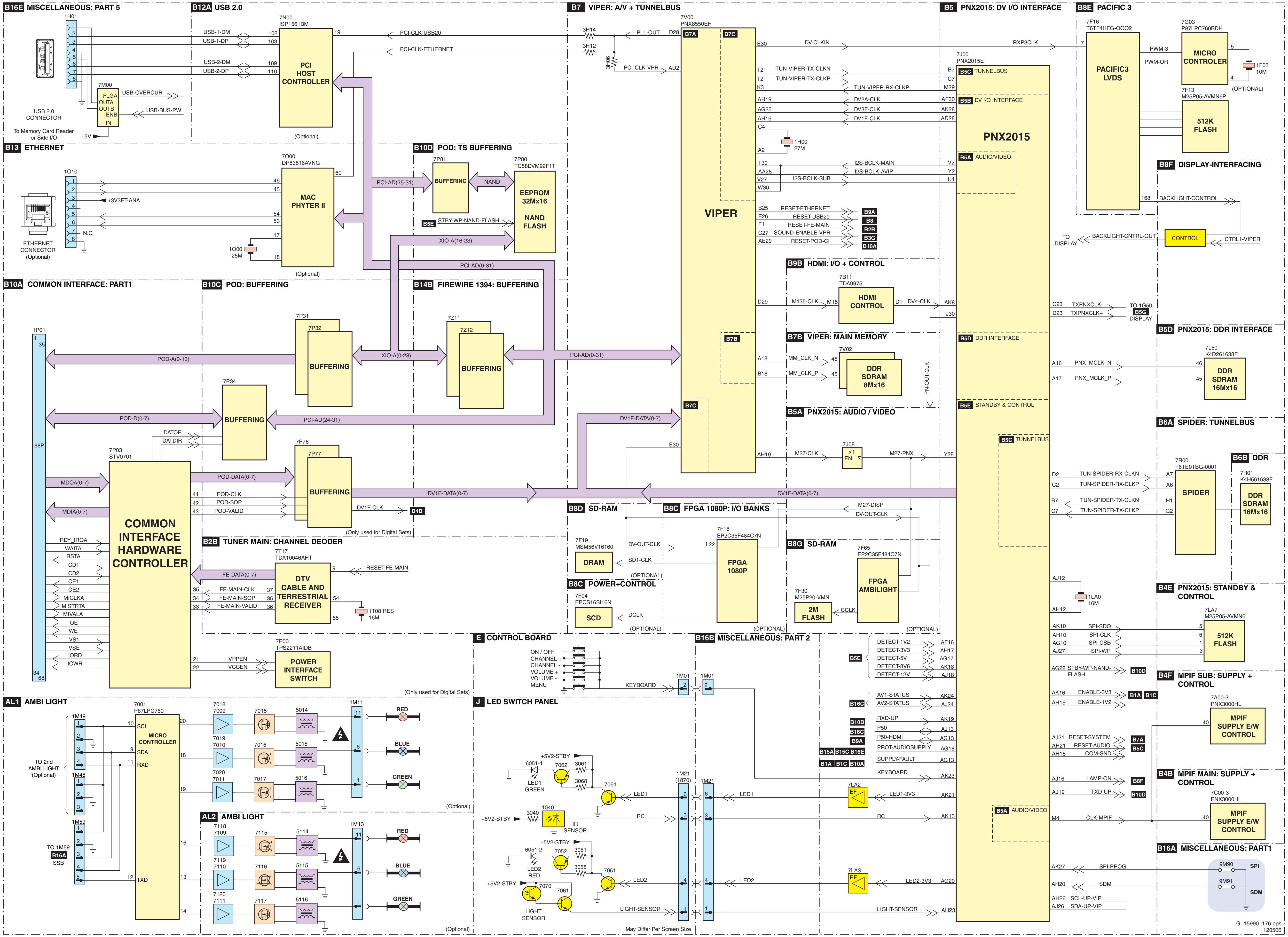
# Block Diagram Control & Clock Signals

## CONTROL & CLOCK SIGNALS


B16E MISCELLANEOUS: PART 5
1H01
USB 2.0 CONNECTOR
To Memory Card Reader or Side I/O
7M00
FLGA
OUTA
OUTB
ENB
IN
+5V
USB-OVERCUR
USB-BUS-PW
B12A USB 2.0
7N00 ISP1561BM
USB-1-DM
USB-1-DP
USB-2-DM
USB-2-DP
PCI HOST CONTROLLER
(Optional)
PCI-CLK-USB20
PCI-CLK-ETHERNET
B7 VIPER: A/V + TUNNELBUS
7V00 PNX8550EH
3H14
3H12
3H06
PLL-OUT
PCI-CLK-VPR
B7A
B7C
B7B
VIPER
DV-CLKIN
TUN-VIPER-TX-CLKN
TUN-VIPER-TX-CLKP
TUN-VIPER-RX-CLKP
DV2A-CLK
DV3F-CLK
DV1F-CLK
1H00 27M
I2S-BCLK-MAIN
I2S-BCLK-AVIP
I2S-BCLK-SUB
RESET-ETHERNET
RESET-USB20
RESET-FE-MAIN
SOUND-ENABLE-VPR
RESET-POD-CI
B9A
B8
B2B
B3G
B10A
B5 PNX2015: DV I/O INTERFACE
7J00 PNX2015E
B5C TUNNELBUS
B5B DV I/O INTERFACE
PNX2015
B5A AUDIO/VIDEO
B5D DDR INTERFACE
B5E STANDBY & CONTROL
RXP3CLK
B8E PACIFIC 3
7F16 T6TF4HFG-OOO2
PACIFIC3 LVDS
7G03 P87LPC760BDH
MICRO CONTROLER
PWM-3
PWM-OR
1F03 10M
(OPTIONAL)
7F13 M25P05-AVMN6P
512K FLASH
B8F DISPLAY-INTERFACING
BACKLIGHT-CONTROL
TO DISPLAY
BACKLIGHT-CNTRL-OUT
CONTROL
CTRL1-VIPER
B13 ETHERNET
1O10
+3V3ET-ANA
N.C.
ETHERNET CONNECTOR (Optional)
7O00 DP83816AVNG
MAC PHYTER II
1O00 25M
(Optional)
B10D POD: TS BUFFERING
7P81
BUFFERING
NAND
7P80 TC58DVM92F1T
EEPROM 32Mx16
NAND FLASH
B5E
STBY-WP-NAND-FLASH
XIO-A(16-23)
PCI-AD(25-31)
PCI-AD(0-31)
B10A COMMON INTERFACE: PART1
B10C POD: BUFFERING
B14B FIREWIRE 1394: BUFFERING
1P01
68P
7P31
7P32
BUFFERING
POD-A(0-13)
XIO-A(0-23)
7Z11
7Z12
7P34
POD-D(0-7)
PCI-AD(24-31)
DATOE
DATDIR
7P03 STV0701
COMMON INTERFACE HARDWARE CONTROLLER
MDOA(0-7)
MDIA(0-7)
POD-DATA(0-7)
POD-CLK
POD-SOP
POD-VALID
7P76
7P77
DV1F-DATA(0-7)
DV1F-CLK
B4B
(Only used for Digital Sets)
RDY_IRQA
WAITA
RSTA
CD1
CD2
CE1
CE2
MICLKA
MISTRTA
MIVALA
OE
WE
VS1
VSE
IORD
IOWR
B2B TUNER MAIN: CHANNEL DEODER
7T17 TDA10046AHT
FE-DATA(0-7)
DTV CABLE AND TERRESTRIAL RECEIVER
RESET-FE-MAIN
FE-MAIN-CLK
FE-MAIN-SOP
FE-MAIN-VALID
1T08 RES 16M
7P00 TPS2211AIDB
VPPEN
VCCEN
POWER INTERFACE SWITCH
(Only used for Digital Sets)
B9B HDMI: I/O + CONTROL
7B11 TDA9975
HDMI CONTROL
M135-CLK
DV4-CLK
B7B VIPER: MAIN MEMORY
7V02
MM_CLK_N
MM_CLK_P
DDR SDRAM 8Mx16
PN-OUT-CLK
B5A PNX2015: AUDIO / VIDEO
7J08
EN
M27-CLK
M27-PNX
B8D SD-RAM
7F19 MSM56V16160
DRAM
DV-OUT-CLK
SD1-CLK
(OPTIONAL)
B8C FPGA 1080P: I/O BANKS
7F18 EP2C35F484C7N
FPGA 1080P
M27-DISP
DV-OUT-CLK
B8G SD-RAM
7F65 EP2C35F484C7N
FPGA AMBILIGHT
7F30 M25P20-VMN
2M FLASH
CCLK
B8C POWER+CONTROL
7F04 EPCS16SI16N
SCD
DCLK
(OPTIONAL)
TXPNXCLK-
TXPNXCLK+
TO 1G50 B5G DISPLAY
B5D PNX2015: DDR INTERFACE
7L50 K4D261638F
PNX_MCLK_N
PNX_MCLK_P
DDR SDRAM 16Mx16
B6A SPIDER: TUNNELBUS
B5C TUNNELBUS
7R00 T6TE0TBG-0001
SPIDER
TUN-SPIDER-RX-CLKN
TUN-SPIDER-RX-CLKP
TUN-SPIDER-TX-CLKN
TUN-SPIDER-TX-CLKP
B6B DDR
7R01 K4H561638F
DDR SDRAM 16Mx16
1LA0 16M
B4E PNX2015: STANDBY & CONTROL
7LA7 M25P05-AVMN6
SPI-SDO
SPI-CLK
SPI-CSB
SPI-WP
512K FLASH
STBY-WP-NAND-FLASH
B10D
B4F MPIF SUB: SUPPLY + CONTROL
ENABLE-3V3
ENABLE-1V2
B1A B1C
7A00-3 PNX3000HL
MPIF SUPPLY E/W CONTROL
RESET-SYSTEM
RESET-AUDIO
COM-SND
B7A
B5C
B4B MPIF MAIN: SUPPLY + CONTROL
LAMP-ON
TXD-UP
B8F
B10D
7C00-3 PNX3000HL
CLK-MPIF
B5A AUDIO/VIDEO
B16A MISCELLANEOUS: PART1
SPI-PROG
SDM
SCL-UP-VIP
SDA-UP-VIP
9M90
9M91
SPI
SDM
E CONTROL BOARD
ON / OFF
CHANNEL +
CHANNEL -
VOLUME +
VOLUME -
MENU
KEYBOARD
1M01
B16B MISCELLANEOUS: PART 2
B5E
DETECT-1V2
DETECT-3V3
DETECT-5V
DETECT-8V6
DETECT-12V
B16C
AV1-STATUS
AV2-STATUS
RXD-UP
P50
P50-HDMI
PROT-AUDIOSUPPLY
SUPPLY-FAULT
B10D
B16C
B9A
B15A B15C B16E
B1A B1C B10A
KEYBOARD
7LA2
LED1-3V3
RC
7LA3
LED2-3V3
LIGHT-SENSOR
J LED SWITCH PANEL
+5V2-STBY
6051-1
LED1 GREEN
7062
3061
3068
7061
LED1
1040
3040
IR SENSOR
6051-2
LED2 RED
7052
3051
3058
7051
LED2
7070
7061
LIGHT SENSOR
1M21 (1870)
1M21
May Differ Per Screen Size
AL1 AMBI LIGHT
1M49
1M48
1M59
TO 2nd AMBI LIGHT (Optional)
TO 1M59 B16A SSB
7001 P87LPC760
SCL
MICRO CONTROLLER
SDA
RXD
TXD
7018 7009
7019 7010
7020 7011
7015
7016
7017
5014
5015
5016
1M11
RED
BLUE
GREEN
(Optional)
AL2 AMBI LIGHT
7118 7109
7119 7110
7120 7111
7115
7116
7117
5114
5115
5116
1M13
RED
BLUE
GREEN
(Optional)
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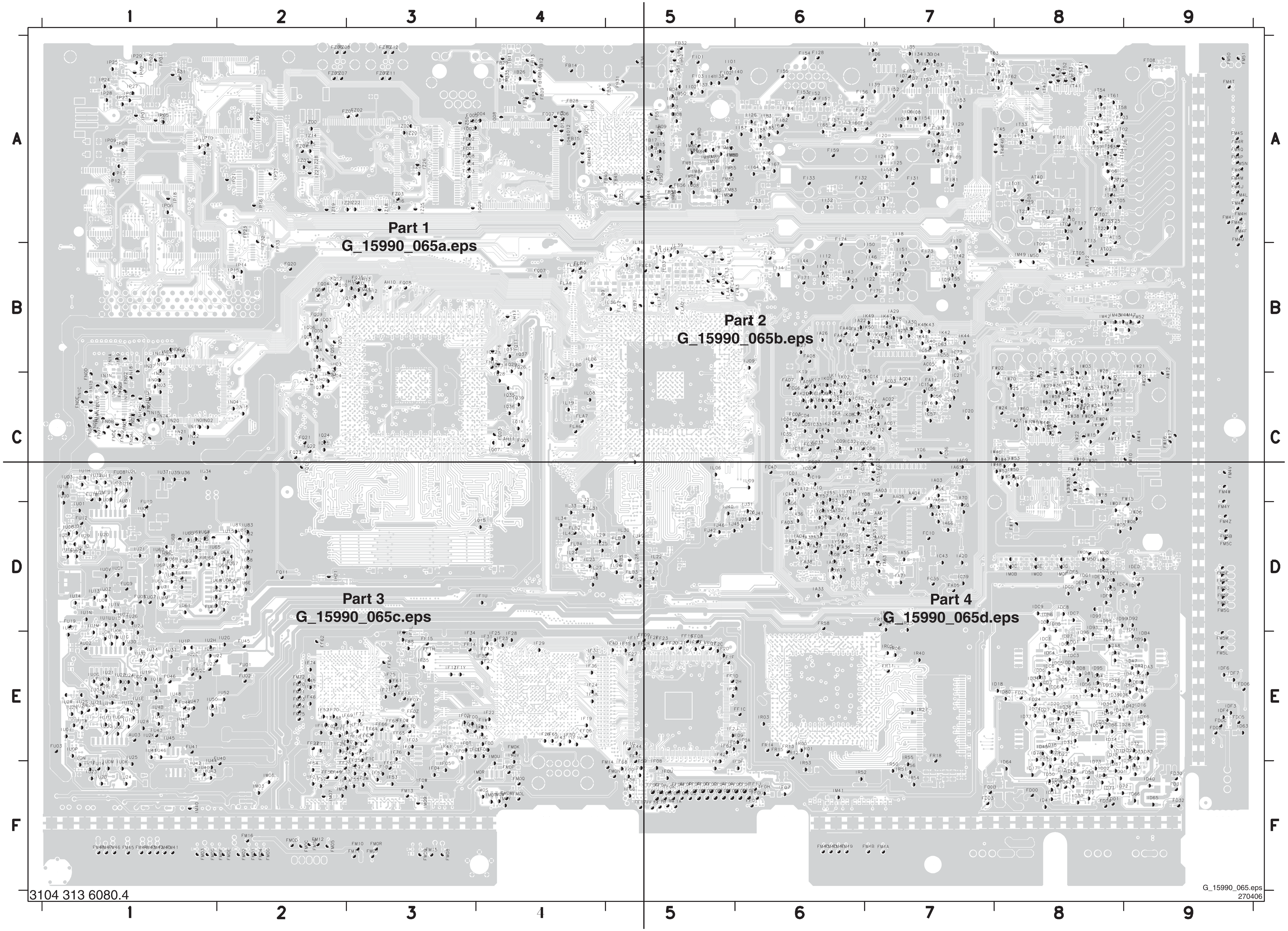
## Test Point Overview SSB (Bottom Side)


1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
Part 1
G_15990_065a.eps
Part 2
G_15990_065b.eps
Part 3
G_15990_065c.eps
Part 4
G_15990_065d.eps
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# Test Point Overview SSB (Mapping)

| | |
|---|---|
| A01 | E1 |
| A02 | E1 |
| A03 | D1 |
| A04 | C7 |
| A05 | C7 |
| A06 | C7 |
| A07 | C7 |
| A08 | C7 |
| A09 | D7 |
| A10 | C8 |
| A11 | C8 |
| A12 | C9 |
| A13 | C8 |
| A14 | C9 |
| A15 | C8 |
| A16 | C9 |
| A17 | A8 |
| A18 | A8 |
| A19 | B8 |
| A20 | B8 |
| A21 | B8 |
| A22 | C4 |
| A23 | B3 |
| A24 | B7 |
| A25 | C7 |
| A26 | C7 |
| A27 | D7 |
| AA01 | D7 |
| AA02 | D7 |
| AA03 | C7 |
| AA04 | C7 |
| AA05 | C7 |
| AC01 | C7 |
| AC02 | C7 |
| AC03 | C7 |
| AC04 | C7 |
| AC05 | B7 |
| AH10 | B3 |
| AH11 | C4 |
| AT02 | B8 |
| AT12 | B8 |
| AT13 | A8 |
| AT15 | A8 |
| AT40 | A8 |
| AU01 | C1 |
| AU02 | E1 |
| AU03 | E1 |
| AW02 | C9 |
| AW11 | C8 |
| AW12 | C9 |
| AW13 | C8 |
| AW14 | C9 |
| AW15 | C8 |
| AW16 | C8 |
| F001 | B5 |
| F002 | B5 |
| F003 | D5 |
| F004 | D4 |
| F005 | D5 |
| F006 | D4 |
| F007 | D5 |
| F008 | B4 |
| F009 | C4 |
| F010 | C4 |
| F011 | B5 |
| F012 | B5 |
| F013 | B5 |
| F014 | B5 |
| F015 | B5 |
| F016 | B5 |
| F017 | D5 |
| F018 | B5 |
| F019 | B4 |
| F020 | B4 |
| F021 | B4 |
| F022 | D6 |
| F023 | B4 |
| F024 | E1 |
| F025 | E2 |
| F026 | E2 |
| F027 | A7 |
| F028 | A7 |
| F029 | A5 |
| F030 | A5 |
| F031 | A5 |
| F032 | F5 |
| F033 | E5 |
| F034 | E6 |
| F035 | F5 |
| F036 | F5 |
| F037 | F5 |
| F038 | F5 |
| F039 | F5 |
| F040 | E5 |
| F041 | E3 |
| F042 | F6 |
| F043 | F6 |
| F044 | F5 |
| F045 | F5 |
| F046 | F5 |
| F047 | F5 |
| F048 | F5 |
| F049 | E5 |
| F050 | E5 |
| F051 | E5 |
| F052 | E4 |
| F053 | F5 |
| F054 | F5 |
| F055 | F5 |
| F056 | F5 |
| F057 | F5 |
| F058 | F5 |
| F059 | F5 |
| F060 | F6 |
| F061 | F6 |
| F062 | F6 |
| F063 | F6 |
| F064 | F5 |
| F065 | F5 |
| F066 | F5 |
| F067 | F5 |
| F068 | F5 |
| F069 | F5 |
| F070 | F5 |
| F071 | F5 |
| F072 | F2 |
| F073 | F2 |
| F074 | A2 |
| F075 | A3 |
| F076 | A3 |
| F077 | A3 |
| F078 | C8 |
| F079 | C8 |
| F080 | C9 |
| F081 | C9 |
| F082 | D9 |
| F083 | C8 |
| F084 | C8 |
| F085 | D8 |
| F086 | C9 |
| F087 | C8 |
| F088 | C8 |
| F089 | C8 |
| F090 | C8 |
| F091 | C8 |
| F092 | C8 |
| F093 | D1 |
| F094 | D1 |
| F095 | D1 |
| F096 | E1 |
| F097 | E2 |
| F098 | E1 |
| F099 | E1 |
| F100 | E1 |
| F101 | F2 |
| F102 | E1 |
| F103 | E1 |
| F104 | E1 |
| F105 | D1 |
| F106 | C1 |
| F107 | F1 |
| F108 | E1 |
| F109 | D1 |
| F110 | D1 |
| F111 | D1 |
| F112 | C1 |
| F113 | D1 |
| F114 | D1 |
| F115 | E1 |
| F116 | A8 |
| F117 | A8 |
| F118 | A7 |
| F119 | A8 |
| F120 | A8 |
| F121 | A8 |
| F122 | A8 |
| F123 | A8 |
| F124 | A9 |
| F125 | A8 |
| F126 | A8 |
| F127 | B8 |
| F128 | A8 |
| F129 | D6 |
| F130 | E7 |
| F131 | E6 |
| F132 | E6 |
| F133 | E6 |
| F134 | E6 |
| F135 | E7 |
| F136 | D7 |
| F137 | B2 |
| F138 | B2 |
| F139 | C2 |
| F140 | C2 |
| F141 | B3 |
| F142 | B3 |
| F143 | C2 |
| F144 | C2 |
| F145 | C2 |
| F146 | B2 |
| F147 | C2 |
| F148 | B2 |
| F149 | D2 |
| F150 | B2 |
| F151 | B2 |
| F152 | B3 |
| F153 | B4 |
| F154 | B2 |
| F155 | C4 |
| F156 | B2 |
| F157 | C4 |
| F158 | B2 |
| F159 | A2 |
| F160 | A2 |
| F161 | A2 |
| F162 | A1 |
| F163 | A1 |
| F164 | A3 |
| F165 | A4 |
| F166 | A4 |
| F167 | A3 |
| F168 | A3 |
| F169 | A3 |
| F170 | A3 |
| F171 | A3 |
| F172 | C1 |
| F173 | C1 |
| F174 | C1 |
| F175 | C1 |
| F176 | C1 |
| F177 | C1 |
| F178 | C1 |
| F179 | C1 |
| F180 | C1 |
| F181 | C1 |
| F182 | C1 |
| F183 | C1 |
| F184 | C1 |
| F185 | C1 |
| F186 | C1 |
| F187 | C1 |
| F188 | B1 |
| F189 | A5 |
| F190 | A5 |
| F191 | A5 |
| F192 | A5 |
| F193 | A5 |
| F194 | E2 |
| F195 | E2 |
| F196 | E2 |
| F197 | E2 |
| F198 | E2 |
| F199 | E2 |
| F200 | A9 |
| F201 | E9 |
| F202 | E9 |
| F203 | D9 |
| F204 | D9 |
| F205 | D9 |
| F206 | D9 |
| F207 | D9 |
| F208 | D9 |
| F209 | D8 |
| F210 | D9 |
| F211 | D9 |
| F212 | B9 |
| F213 | A9 |
| F214 | A9 |
| F215 | D9 |
| F216 | C9 |
| F217 | C9 |
| F218 | C9 |
| F219 | B9 |
| F220 | A9 |
| F221 | A9 |
| F222 | A9 |
| F223 | A9 |
| F224 | A9 |
| F225 | A9 |
| F226 | A9 |
| F227 | A9 |
| F228 | A9 |
| F229 | A9 |
| F230 | A9 |
| F231 | A9 |
| F232 | A9 |
| F233 | A9 |
| F234 | F6 |
| F235 | F6 |
| F236 | F6 |
| F237 | F7 |
| F238 | F7 |
| F239 | F6 |
| F240 | F1 |
| F241 | F1 |
| F242 | F1 |
| F243 | F1 |
| F244 | F1 |
| F245 | F1 |
| F246 | F1 |
| F247 | F1 |
| F248 | F1 |
| F249 | F2 |
| F250 | F3 |
| F251 | F5 |
| F252 | F3 |
| F253 | F2 |
| F254 | F3 |
| F255 | F3 |
| F256 | F3 |
| F257 | F4 |
| F258 | F4 |
| F259 | F5 |
| F260 | F4 |
| F261 | F4 |
| F262 | E4 |
| F263 | F1 |
| F264 | F1 |
| F265 | F2 |
| F266 | F2 |
| F267 | F2 |
| F268 | F3 |
| F269 | F3 |
| F270 | F3 |
| F271 | F2 |
| F272 | F2 |
| F273 | F2 |
| F274 | F1 |
| F275 | F2 |
| F276 | F2 |
| F277 | F2 |
| F278 | A7 |
| F279 | A6 |
| F280 | A7 |
| F281 | B6 |
| F282 | B6 |
| F283 | B7 |
| F284 | B7 |
| F285 | B6 |
| F286 | B7 |
| F287 | A7 |
| F288 | A7 |
| F289 | A6 |
| F290 | A7 |
| F291 | A6 |
| F292 | A6 |
| F293 | A6 |
| F294 | A6 |
| F295 | A6 |
| F296 | A6 |
| F297 | A6 |
| F298 | A6 |
| F299 | A6 |
| F300 | A7 |
| F301 | A6 |
| F302 | A6 |
| F303 | A7 |
| F304 | A7 |
| F305 | B4 |
| F306 | E3 |
| F307 | F3 |
| F308 | E3 |
| F309 | E3 |
| F310 | E3 |
| F311 | E3 |
| F312 | E2 |
| F313 | E3 |
| F314 | E3 |
| F315 | E5 |
| F316 | E5 |
| F317 | F2 |
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| IF1L | E3 |
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| IF1Y | E3 |
| IF1Z | E3 |
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| IF2M | F3 |
| IF2N | E2 |
| IF2P | E3 |
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| IF47 | E2 |
| IF48 | E2 |
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| IF52 | E2 |
| IF53 | F3 |
| IF54 | F2 |
| IF55 | F3 |
| IF56 | F5 |
| IF57 | F2 |
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| IF60 | F5 |
| IF61 | E3 |
| IF62 | E5 |
| IF65 | E4 |
| IF66 | F5 |
| IF67 | F5 |
| IF68 | F5 |
| IF69 | E3 |
| IF70 | E2 |
| IF71 | E3 |
| IF72 | E3 |
| IF73 | E3 |
| IF74 | E2 |
| IF75 | E3 |
| IF76 | E3 |
| IF77 | E2 |
| IF88 | E3 |
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| IH04 | C2 |
| IH05 | C2 |
| IH09 | C2 |
| IH10 | B3 |
| IH11 | B3 |
| IH12 | B3 |
| IH13 | B3 |
| IH15 | B3 |
| IH16 | B4 |
| IH17 | B4 |
| IH18 | B4 |
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| II17 | A7 |
| II18 | A7 |
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| II21 | B7 |
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| IJ46 | D5 |
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| IL32 | C4 |
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| IL39 | B5 |
| IL42 | D4 |
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| ILB9 | B4 |
| ILN2 | B6 |
| ILN6 | C5 |
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| IM04 | F2 |
| IM05 | F2 |
| IM06 | A5 |
| IM07 | F2 |
| IM08 | A5 |
| IM09 | F3 |
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| IM0D | D8 |
| IM0E | D8 |
| IM0F | D8 |
| IM0G | D8 |
| IM0N | D8 |
| IM0P | D8 |
| IM0Q | D8 |
| IM0R | F4 |
| IM0S | F4 |
| IM0T | F4 |
| IM0U | E4 |
| IM0V | E4 |
| IM0W | F4 |
| IM0Y | F4 |
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| IM48 | B8 |
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| IM50 | B8 |
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| IM84 | A5 |
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| IM8B | A5 |
| IM8C | A5 |
| IM8D | A5 |
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| IN03 | C1 |
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| IN12 | B1 |
| IN13 | B1 |
| IN14 | C1 |
| IN15 | C1 |
| IN16 | C2 |
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| IN18 | B1 |
| IN19 | B1 |
| IN1A | B1 |
| IN1B | C1 |
| IN1C | C1 |
| IN1D | C1 |
| IN1E | C1 |
| IN1F | C1 |
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| IO05 | A3 |
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| IO12 | A4 |
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| IO14 | A4 |
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| IQ04 | B2 |
| IQ05 | B2 |
| IQ06 | B2 |
| IQ07 | C4 |
| IQ11 | B4 |
| IQ12 | B3 |
| IQ13 | B2 |
| IQ14 | C4 |
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| IQ23 | B4 |
| IQ24 | C2 |
| IQ25 | C2 |
| IQ26 | B4 |
| IQ28 | C4 |
| IQ29 | B4 |
| IQ30 | B2 |
| IQ31 | B4 |
| IQ32 | C2 |
| IQ34 | B2 |
| IQ35 | C4 |
| IQ36 | C4 |
| IQ37 | B4 |
| IQ38 | B2 |
| IQ39 | C4 |
| IR00 | E6 |
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| IR51 | F7 |
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| IU03 | C1 |
| IU04 | D1 |
| IU05 | D1 |
| IU06 | D1 |
| IU07 | D1 |
| IU08 | C1 |
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| IU0C | E1 |
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| IU0H | E1 |
| IU0I | E1 |
| IU0J | E1 |
| IU0K | F1 |
| IU0L | E1 |
| IU0M | F1 |
| IU0N | E1 |
| IU0P | E1 |
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| IU0R | E1 |
| IU0T | D1 |
| IU0V | D1 |
| IU0W | D1 |
| IU0Y | D1 |
| IU0Z | D1 |
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| IU1C | D1 |
| IU1D | D1 |
| IU1E | E1 |
| IU1F | E1 |
| IU1G | E1 |
| IU1H | C1 |
| IU1I | C1 |
| IU1J | C1 |
| IU1K | C1 |
| IU1L | D1 |
| IU1M | D1 |
| IU1N | D1 |
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| IU1V | D1 |
| IU1W | E1 |
| IU1Y | E1 |
| IU1Z | D1 |
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| IU23 | F1 |
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| IU2F | E1 |
| IU2G | E2 |
| IU2H | E1 |
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| IU2J | D1 |
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| IU46 | E1 |
| IU47 | E1 |
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| IU4C | E1 |
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| IW05 | D8 |
| IW06 | D9 |
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| IY58 | D6 |
| IY59 | D6 |
| IY60 | D6 |
| IY61 | D6 |
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| IZ02 | A3 |
| IZ07 | A2 |
| IZ14 | A2 |
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| IZ16 | A3 |
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| IZ20 | A3 |
| IZ21 | A3 |
| IZ22 | A3 |
| IZ25 | A3 |
| IZ26 | A3 |
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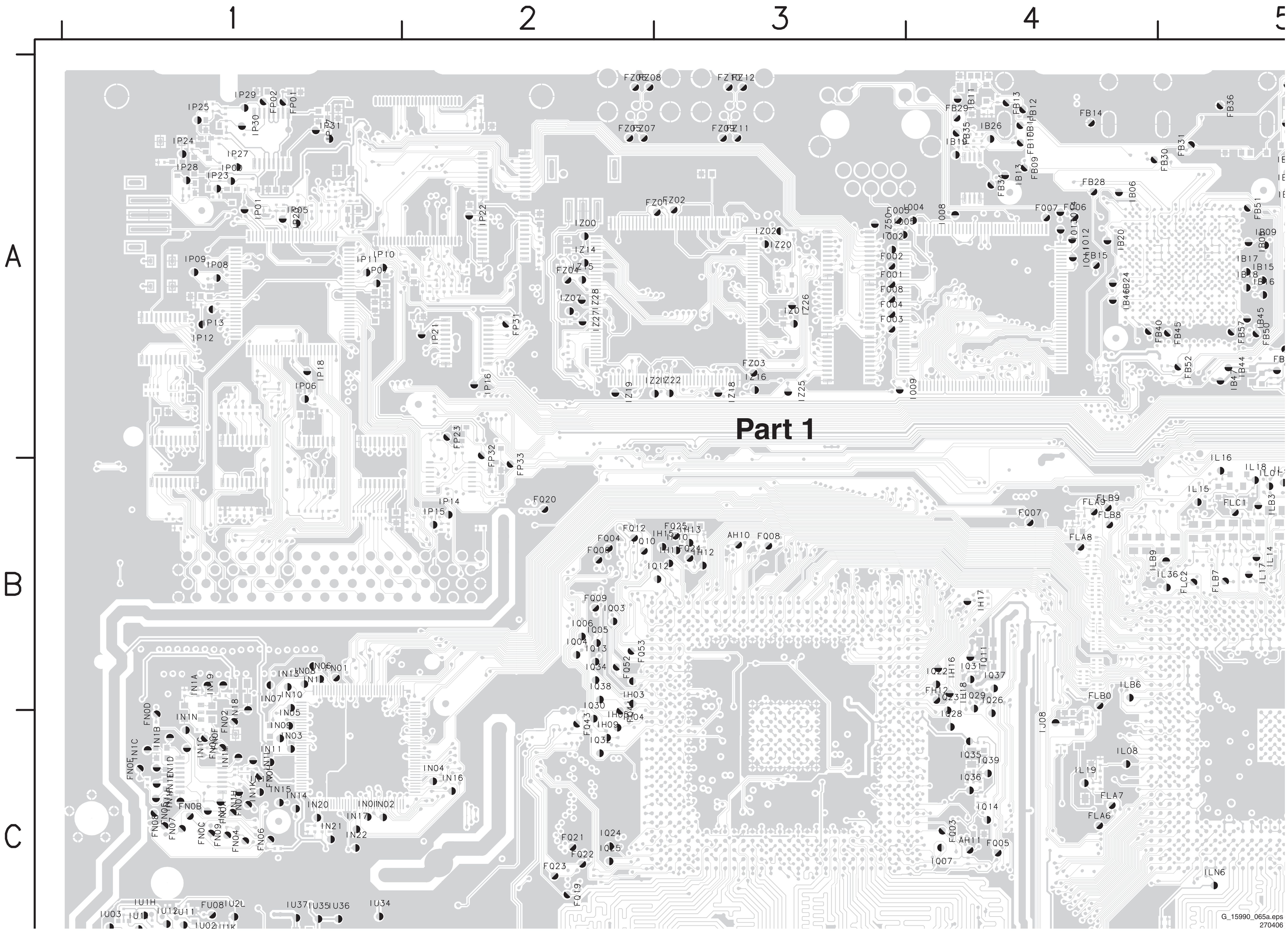
## Test Point Overview SSB Part 1 (Bottom Side)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IP14
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FZ08
FZ10
FZ12
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FZ07
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IZ00
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FN0C
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FN04
FN06
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FU08
IU2L
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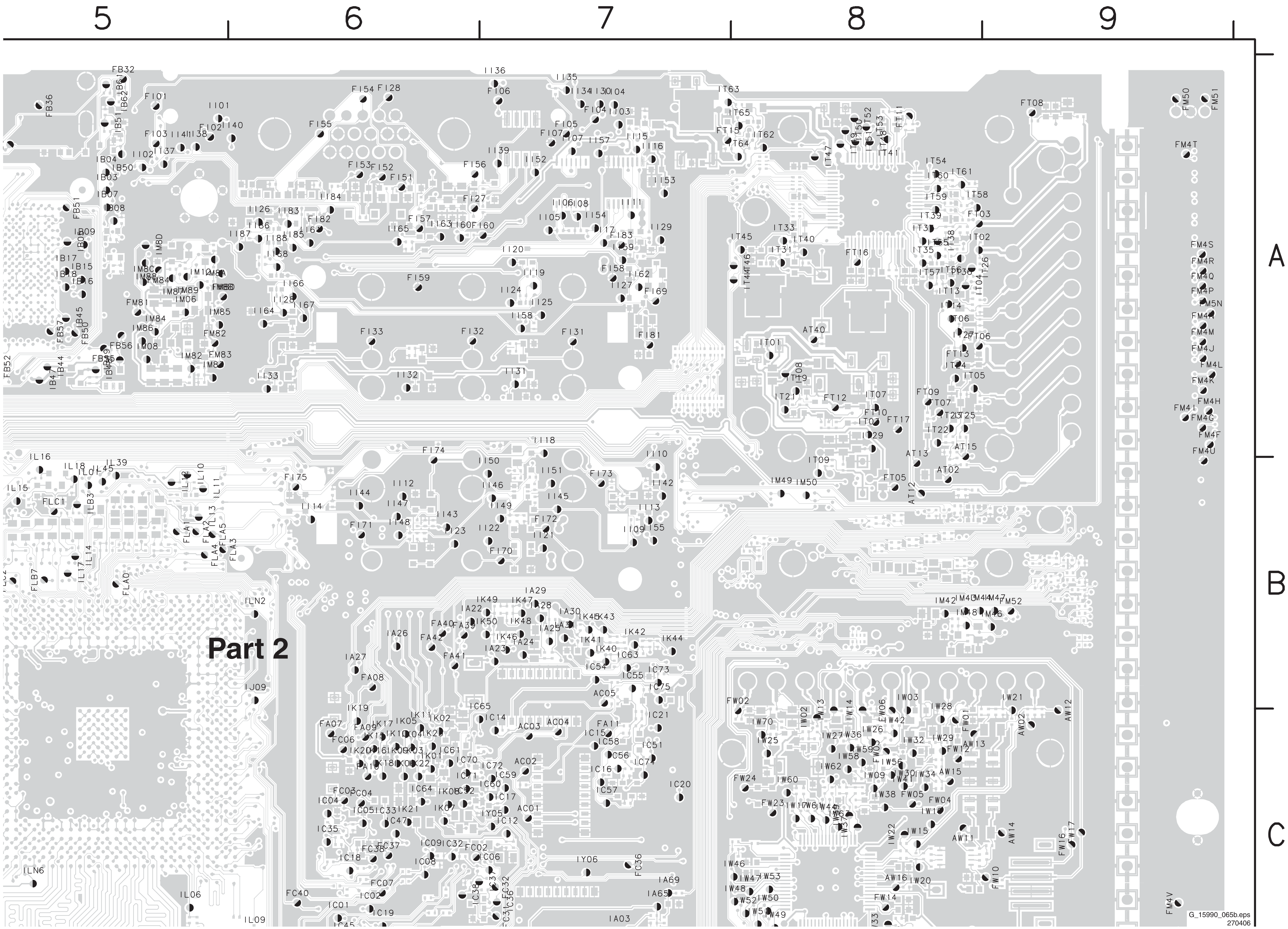
IU1K
G_15990_065a.eps
270406

## Test Point Overview SSB Part 2 (Bottom Side)


5
6
7
8
9
A
B
C
Part 2
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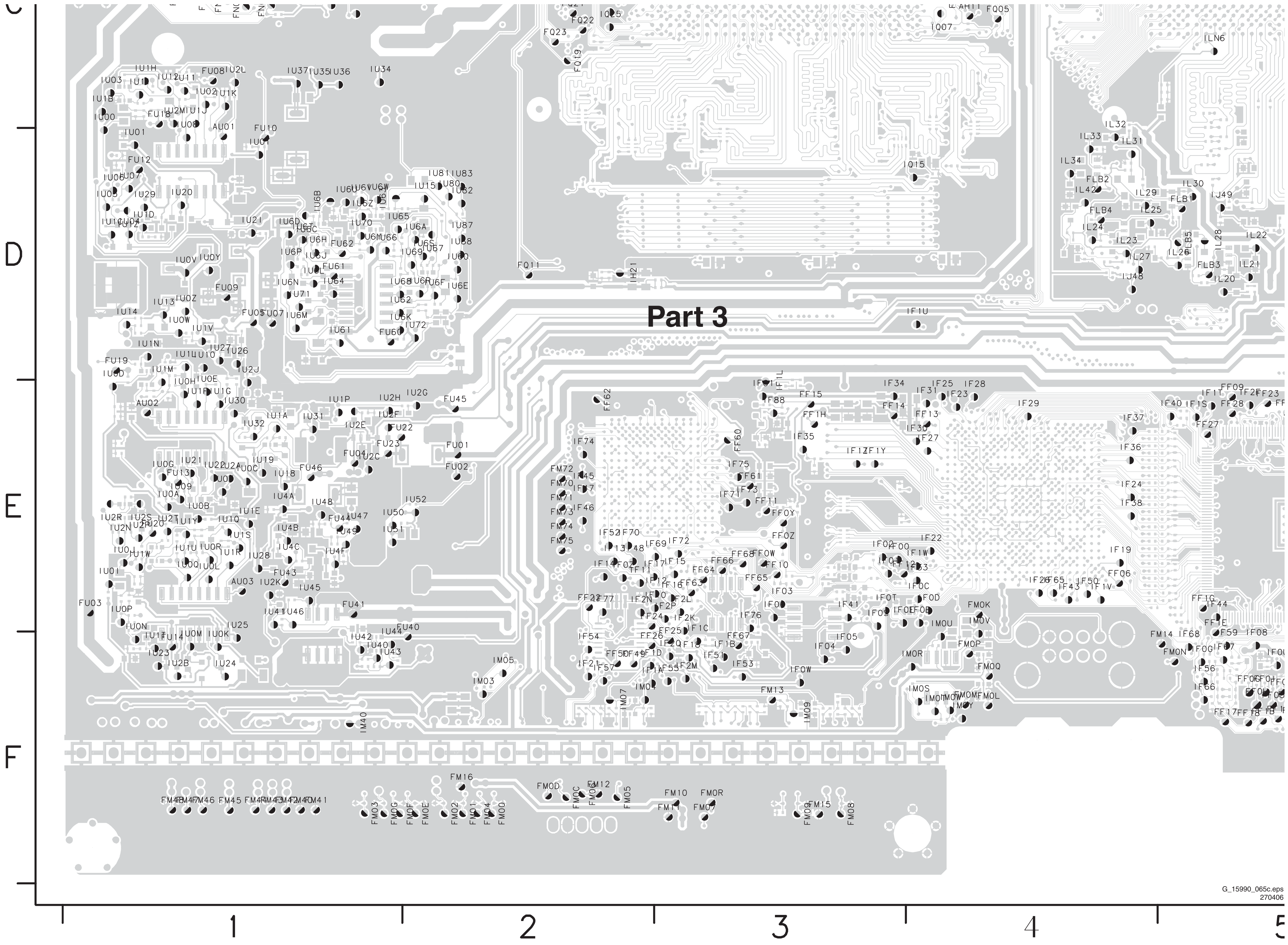
Part 3
C
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E
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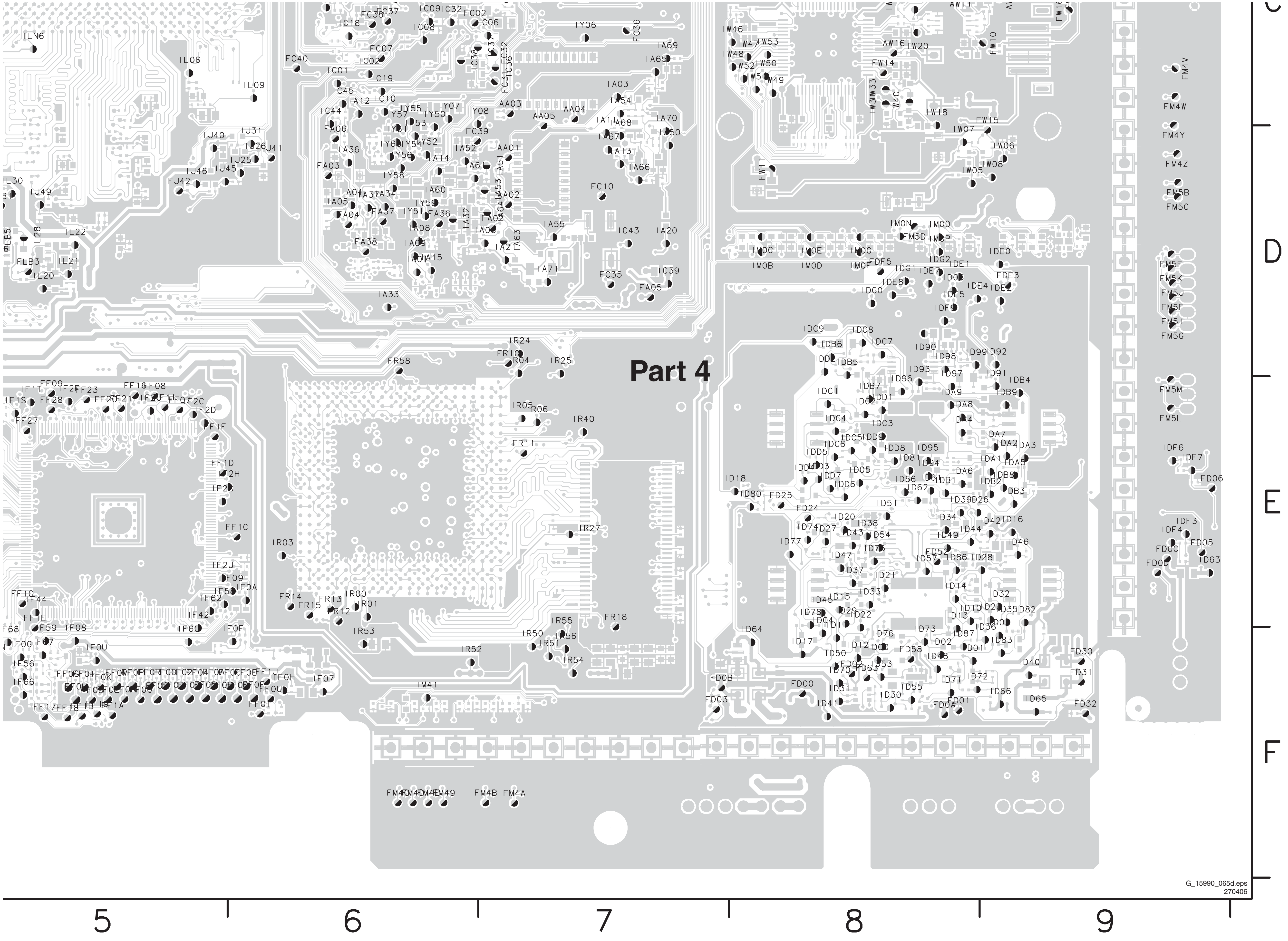
270406

## Test Point Overview SSB Part 4 (Bottom Side)


Part 4
C
D
E
F
5
6
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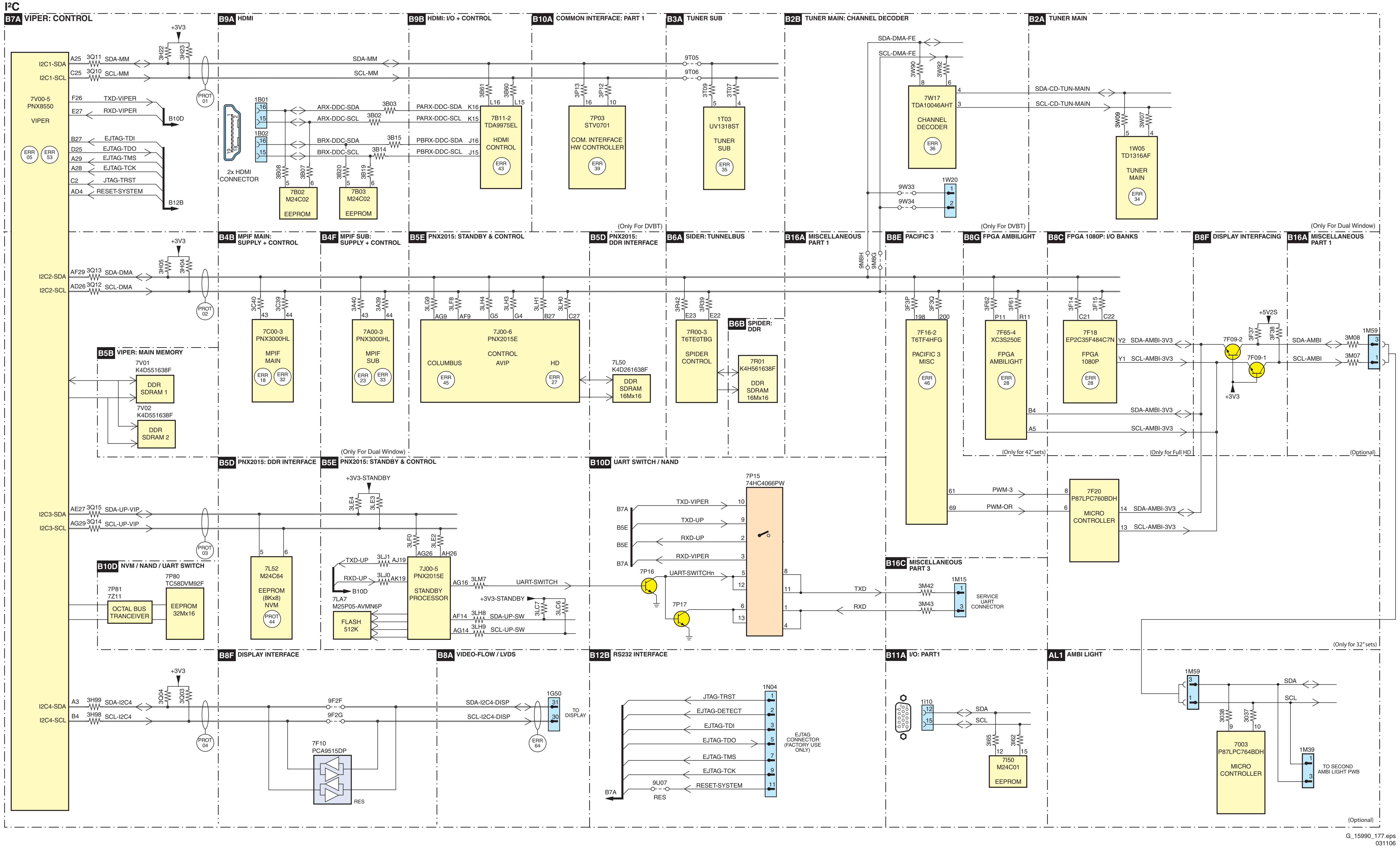
# I2C IC's Overview


I²C
B7A VIPER: CONTROL
7V00-5
PNX8550
VIPER
I2C1-SDA
I2C1-SCL
I2C2-SDA
I2C2-SCL
I2C3-SDA
I2C3-SCL
I2C4-SDA
I2C4-SCL
SDA-MM
SCL-MM
TXD-VIPER
RXD-VIPER
EJTAG-TDI
EJTAG-TDO
EJTAG-TMS
EJTAG-TCK
JTAG-TRST
RESET-SYSTEM
B10D
B12B
+3V3
B9A HDMI
2x HDMI CONNECTOR
ARX-DDC-SDA
ARX-DDC-SCL
BRX-DDC-SDA
BRX-DDC-SCL
7B02
M24C02
EEPROM
7B03
M24C02
EEPROM
B9B HDMI: I/O + CONTROL
PARX-DDC-SDA
PARX-DDC-SCL
PBRX-DDC-SDA
PBRX-DDC-SCL
7B11-2
TDA9975EL
HDMI CONTROL
B10A COMMON INTERFACE: PART 1
7P03
STV0701
COM. INTERFACE HW CONTROLLER
B3A TUNER SUB
1T03
UV1318ST
TUNER SUB
(Only For DVBT)
B2B TUNER MAIN: CHANNEL DECODER
SDA-DMA-FE
SCL-DMA-FE
7W17
TDA10046AHT
CHANNEL DECODER
1W20
B2A TUNER MAIN
SDA-CD-TUN-MAIN
SCL-CD-TUN-MAIN
1W05
TD1316AF
TUNER MAIN
(Only For DVBT)
(Only for Dual Window)
B4B MPIF MAIN: SUPPLY + CONTROL
7C00-3
PNX3000HL
MPIF MAIN
B4F MPIF SUB: SUPPLY + CONTROL
7A00-3
PNX3000HL
MPIF SUB
B5E PNX2015: STANDBY & CONTROL
7J00-6
PNX2015E
CONTROL
COLUMBUS
AVIP
HD
B5D PNX2015: DDR INTERFACE
7L50
K4D261638F
DDR SDRAM 16Mx16
B6A SIDER: TUNNELBUS
7R00-3
T6TE0TBG
SPIDER CONTROL
B6B SPIDER: DDR
7R01
K4H561638F
DDR SDRAM 16Mx16
B16A MISCELLANEOUS PART 1
B8E PACIFIC 3
7F16-2
T6TF4HFG
PACIFIC 3 MISC
B8G FPGA AMBILIGHT
7F65-4
XC3S250E
FPGA AMBILIGHT
B8C FPGA 1080P: I/O BANKS
7F18
EP2C35F484C7N
FPGA 1080P
SDA-AMBI-3V3
SCL-AMBI-3V3
B8F DISPLAY INTERFACING
+5V2S
7F09-2
7F09-1
B16A MISCELLANEOUS PART 1
SDA-AMBI
SCL-AMBI
1M59
(Only for 42" sets)
(Only for Full HD)
(Optional)
B5B VIPER: MAIN MEMORY
7V01
K4D551638F
DDR SDRAM 1
7V02
K4D551638F
DDR SDRAM 2
(Only For Dual Window)
B5D PNX2015: DDR INTERFACE
B5E PNX2015: STANDBY & CONTROL
+3V3-STANDBY
7L52
M24C64
EEPROM (8Kx8) NVM
TXD-UP
RXD-UP
7LA7
M25P05-AVMN6P
FLASH 512K
7J00-5
PNX2015E
STANDBY PROCESSOR
UART-SWITCH
SDA-UP-SW
SCL-UP-SW
SDA-UP-VIP
SCL-UP-VIP
B10D NVM / NAND / UART SWITCH
7P81
7Z11
OCTAL BUS TRANCEIVER
7P80
TC58DVM92F
EEPROM 32Mx16
B10D UART SWITCH / NAND
7P15
74HC4066PW
TXD-VIPER
TXD-UP
RXD-UP
RXD-VIPER
UART-SWITCHn
7P16
7P17
B7A
B5E
PWM-3
PWM-OR
7F20
P87LPC760BDH
MICRO CONTROLLER
SDA-AMBI-3V3
SCL-AMBI-3V3
B16C MISCELLANEOUS PART 3
TXD
RXD
1M15
SERVICE UART CONNECTOR
(Only for 32" sets)
B8F DISPLAY INTERFACE
SDA-I2C4
SCL-I2C4
7F10
PCA9515DP
RES
B8A VIDEO-FLOW / LVDS
SDA-I2C4-DISP
SCL-I2C4-DISP
1G50
TO DISPLAY
B12B RS232 INTERFACE
1N04
JTAG-TRST
EJTAG-DETECT
EJTAG-TDI
EJTAG-TDO
EJTAG-TMS
EJTAG-TCK
RESET-SYSTEM
9U07
RES
EJTAG CONNECTOR (FACTORY USE ONLY)
B11A I/O: PART1
1I10
SDA
SCL
7I50
M24C01
EEPROM
AL1 AMBI LIGHT
1M59
7003
P87LPC764BDH
MICRO CONTROLLER
1M39
TO SECOND AMBI LIGHT PWB
(Optional)
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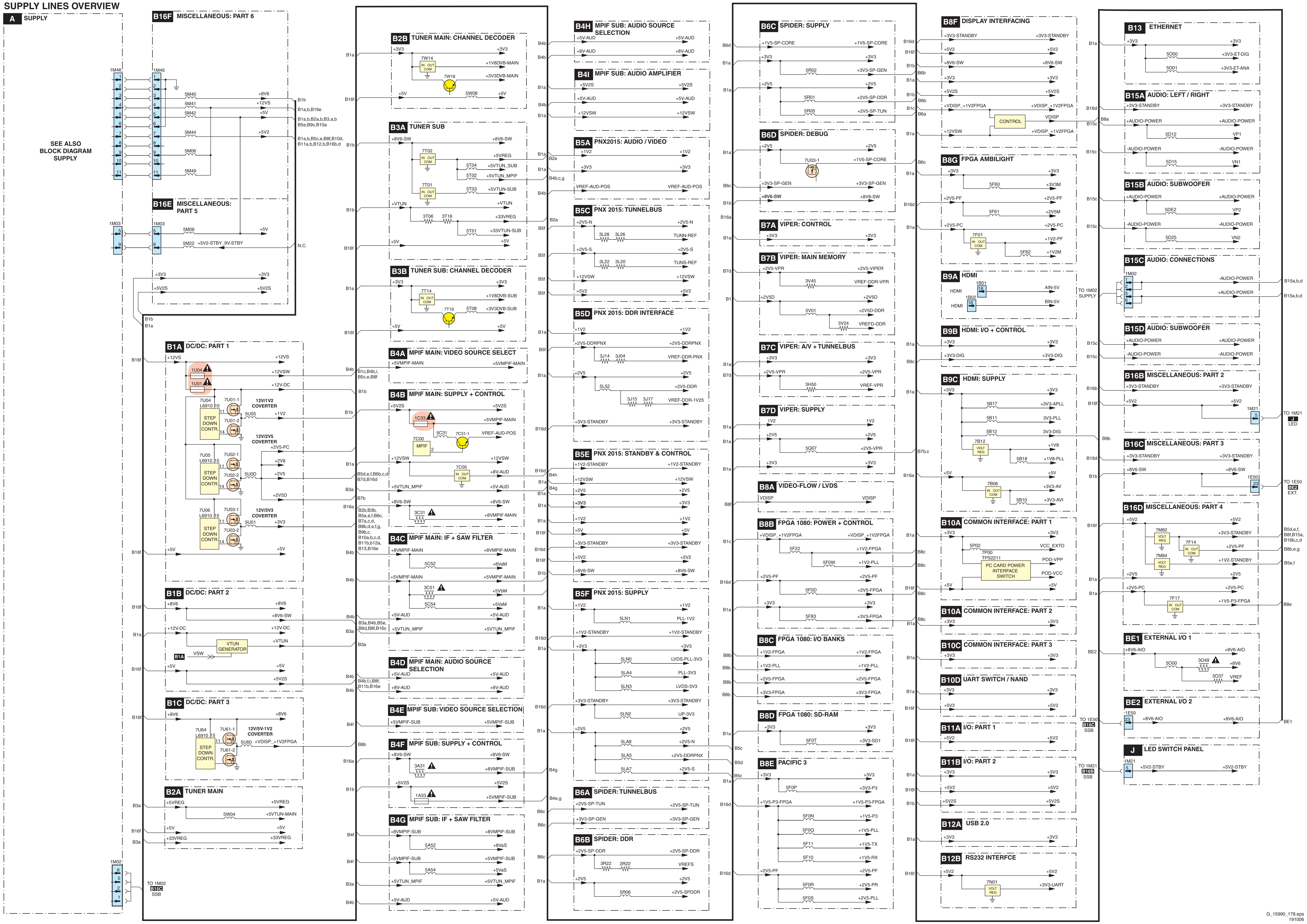
# Supply Lines Overview


SUPPLY LINES OVERVIEW
A SUPPLY
SEE ALSO BLOCK DIAGRAM SUPPLY
B16F MISCELLANEOUS: PART 6
B16E MISCELLANEOUS: PART 5
B1A DC/DC: PART 1
12V/1V2 COVERTER
12V/2V5 COVERTER
12V/3V3 COVERTER
STEP DOWN CONTR.
B1B DC/DC: PART 2
VTUN GENERATOR
B1C DC/DC: PART 3
12V/5V-1V2 COVERTER
B2A TUNER MAIN
B2B TUNER MAIN: CHANNEL DECODER
B3A TUNER SUB
B3B TUNER SUB: CHANNEL DECODER
B4A MPIF MAIN: VIDEO SOURCE SELECT
B4B MPIF MAIN: SUPPLY + CONTROL
B4C MPIF MAIN: IF + SAW FILTER
B4D MPIF MAIN: AUDIO SOURCE SELECTION
B4E MPIF SUB: VIDEO SOURCE SELECTION
B4F MPIF SUB: SUPPLY + CONTROL
B4G MPIF SUB: IF + SAW FILTER
B4H MPIF SUB: AUDIO SOURCE SELECTION
B4I MPIF SUB: AUDIO AMPLIFIER
B5A PNX2015: AUDIO / VIDEO
B5C PNX 2015: TUNNELBUS
B5D PNX 2015: DDR INTERFACE
B5E PNX 2015: STANDBY & CONTROL
B5F PNX 2015: SUPPLY
B6A SPIDER: TUNNELBUS
B6B SPIDER: DDR
B6C SPIDER: SUPPLY
B6D SPIDER: DEBUG
B7A VIPER: CONTROL
B7B VIPER: MAIN MEMORY
B7C VIPER: A/V + TUNNELBUS
B7D VIPER: SUPPLY
B8A VIDEO-FLOW / LVDS
B8B FPGA 1080: POWER + CONTROL
B8C FPGA 1080: I/O BANKS
B8D FPGA 1080: SD-RAM
B8E PACIFIC 3
B8F DISPLAY INTERFACING
CONTROL
B8G FPGA AMBILIGHT
B9A HDMI
B9B HDMI: I/O + CONTROL
B9C HDMI: SUPPLY
B10A COMMON INTERFACE: PART 1
PC CARD POWER INTERFACE SWITCH
B10A COMMON INTERFACE: PART 2
B10C COMMON INTERFACE: PART 3
B10D UART SWITCH / NAND
B11A I/O: PART 1
B11B I/O: PART 2
B12A USB 2.0
B12B RS232 INTERFCE
B13 ETHERNET
B15A AUDIO: LEFT / RIGHT
B15B AUDIO: SUBWOOFER
B15C AUDIO: CONNECTIONS
B15D AUDIO: SUBWOOFER
B16B MISCELLANEOUS: PART 2
B16C MISCELLANEOUS: PART 3
B16D MISCELLANEOUS: PART 4
BE1 EXTERNAL I/O 1
BE2 EXTERNAL I/O 2
J LED SWITCH PANEL
TO 1M02 SUPPLY
TO 1M21 J LED
TO 1E50 BE2 EXT.
TO 1E50 B16C SSB
TO 1M21 B16B SSB
TO 1M02 B15C SSB
N.C.

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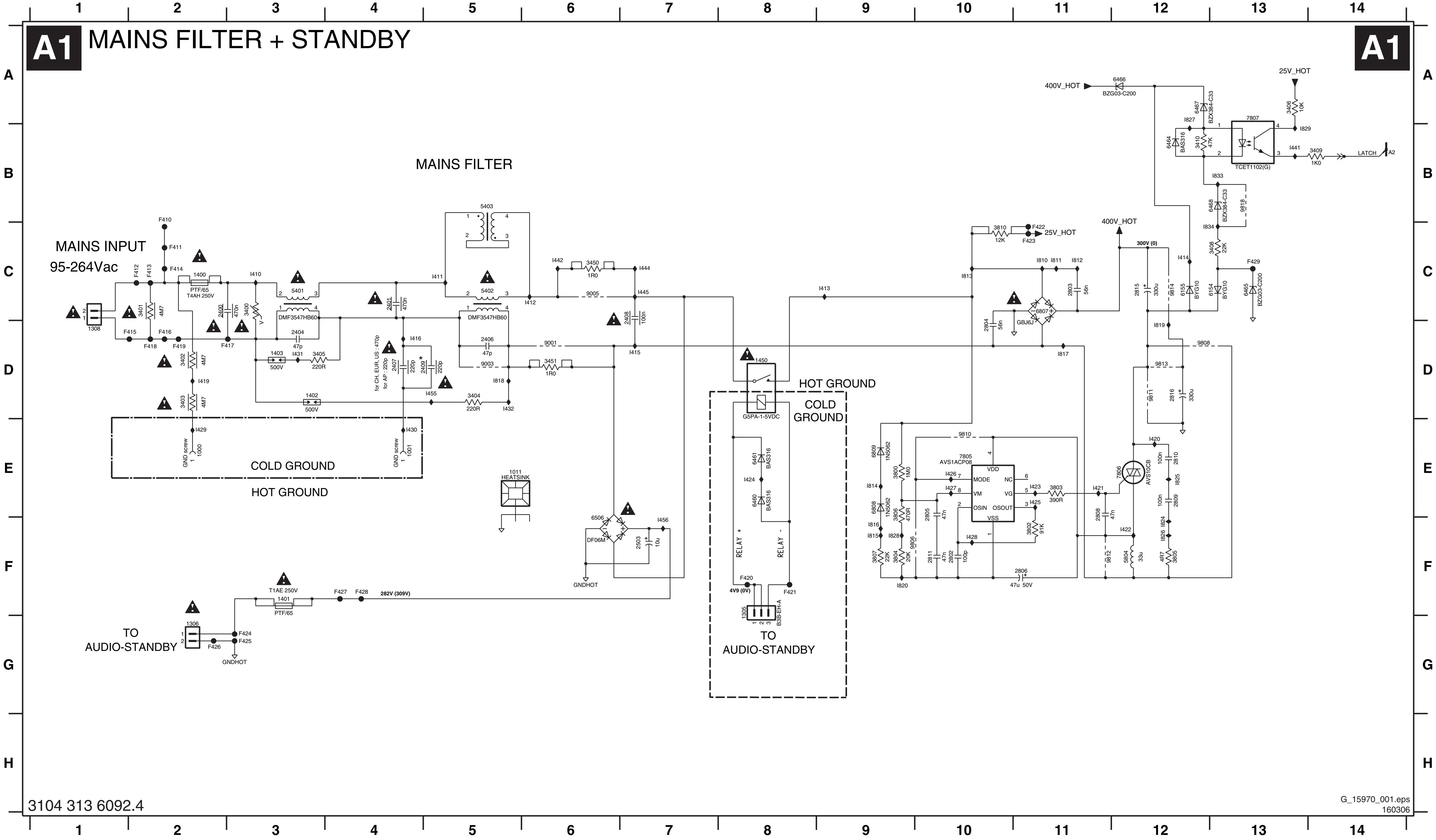
# 7. Circuit Diagrams and PWB Layouts

## Power Supply 32”: Mains Filter & Standby


A1
MAINS FILTER + STANDBY
MAINS FILTER
MAINS INPUT
95-264Vac
1308
F410
F411
F412
F413
F414
F415
F416
F417
F418
F419
1400
PTF/65
T4AH 250V
3401 4M7
2400 470n
3400
I410
5401
DMF3547HB60
2404 47p
1403 500V
I431
3405 220R
3402 4M7
I419
3403 4M7
1402 500V
2401 470n
I416
for CH, EUR, US : 470p
for AP : 220p
2407 220p
2409 220p
I455
3404 220R
I432
I411
5403
5402
DMF3547HB60
2406 47p
I412
9001
9003
I818
I442
3450 1R0
I444
9005
I445
2408 100n
I415
3451 1R0
I429
I430
GND screw 1000
GND screw 1001
COLD GROUND
HOT GROUND
1011 HEATSINK
6506
DF06M
2503 10u
I456
GNDHOT
T1AE 250V
1401
PTF/65
F427
F428
282V (309V)
1306
F424
F425
F426
GNDHOT
TO AUDIO-STANDBY
1450
G5PA-1-5VDC
HOT GROUND
COLD GROUND
6461 BAS316
I424
6460 BAS316
RELAY +
RELAY -
F420
4V9 (0V)
F421
1305
B3B-EH-A
TO AUDIO-STANDBY
I413
400V_HOT
6466
BZG03-C200
25V_HOT
3406 10K
6467 BZX384-C33
I827
6464 BAS316
3410 47K
7807
TCET1102(G)
I829
I441
3409 1K0
LATCH
A2
I833
6468 BZX384-C33
9818
I834
3408 22K
F429
6465 BZG03-C200
3810 12K
F422
F423
25V_HOT
400V_HOT
300V (0)
I810
I811
I812
I813
2803 56n
2804 56n
6807
GBJ6J
I817
2815 330u
9814
6155 BYG10
6154 BYG10
I414
I819
9808
9813
9811
2816 330u
9810
6809 1N5062
3800 1M0
7805
AVS1ACP08
VDD
MODE
NC
VM
VG
OSIN
OSOUT
VSS
I426
I427
I423
I425
3803 390R
I814
6808 1N5062
3806 470R
I816
I815
I828
2805 47n
9806
3807 22K
3804 20K
2811 47n
2802 100p
I428
3802 91K
I820
2806 47u 50V
I421
2808 47n
9812
7806
AVS10CB
I420
2810 100n
I825
2809 100n
I824
I826
I422
5804 33u
3805 4R7
1 2 3 4 5 6 7 8 9 10 11 12 13 14
A B C D E F G H

3104 313 6092.4

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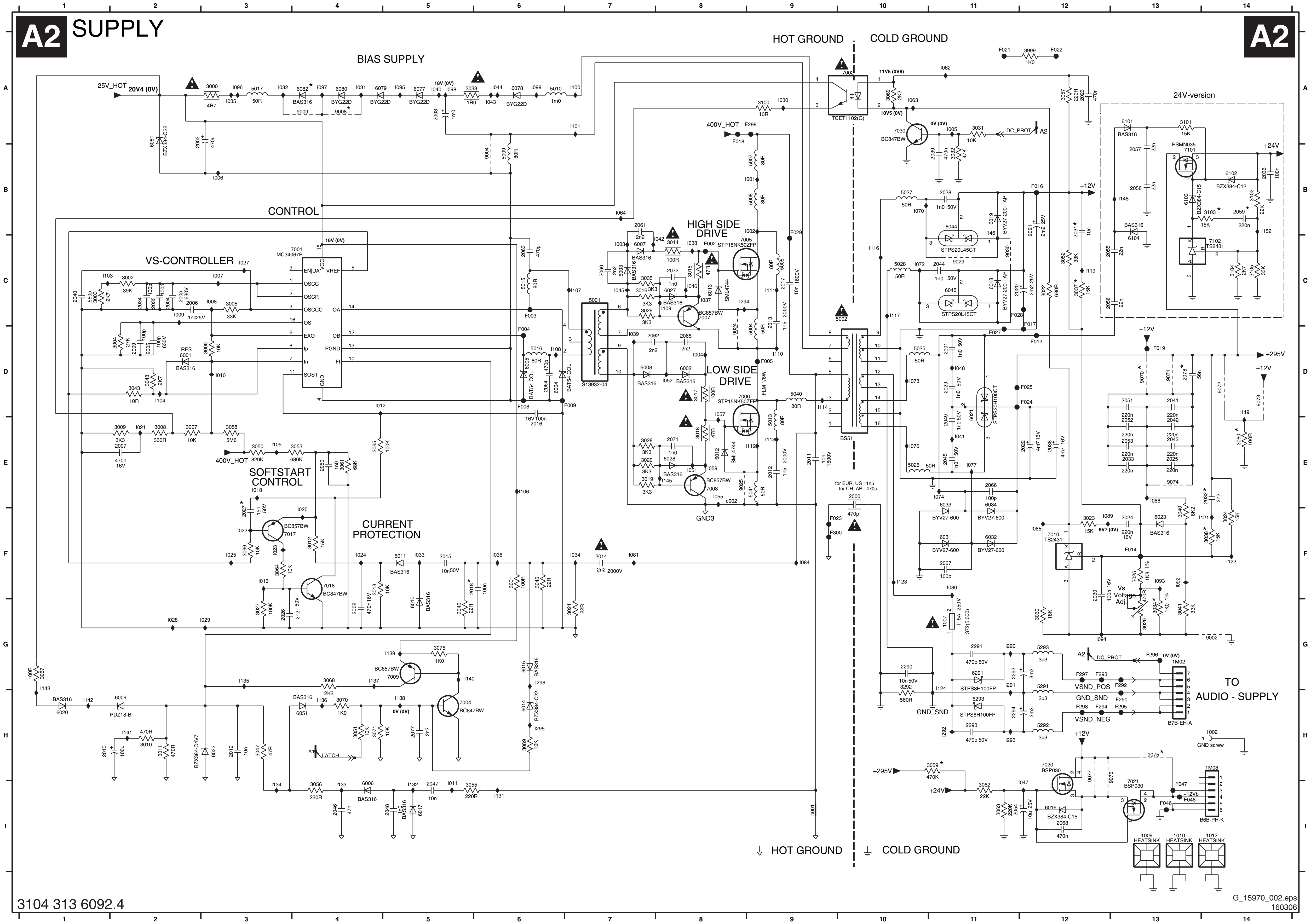
| | |
|---|---|
| 1000 | E2 |
| 1001 | E4 |
| 1011 | E5 |
| 1305 | F8 |
| 1306 | G2 |
| 1308 | D1 |
| 1400 | C2 |
| 1401 | F3 |
| 1402 | D3 |
| 1403 | D3 |
| 1450 | D8 |
| 2400 | C2 |
| 2401 | C4 |
| 2404 | D3 |
| 2406 | D5 |
| 2407 | D4 |
| 2408 | C7 |
| 2409 | D5 |
| 2503 | F7 |
| 2802 | F10 |
| 2803 | C11 |
| 2804 | D10 |
| 2805 | E10 |
| 2806 | F11 |
| 2808 | E11 |
| 2809 | E12 |
| 2810 | E12 |
| 2811 | F10 |
| 2815 | C12 |
| 2816 | D12 |
| 3400 | C3 |
| 3401 | C2 |
| 3402 | D2 |
| 3403 | D2 |
| 3404 | D5 |
| 3405 | D3 |
| 3406 | A13 |
| 3408 | C13 |
| 3409 | B14 |
| 3410 | B12 |
| 3450 | C6 |
| 3451 | D6 |
| 3800 | E9 |
| 3802 | F11 |
| 3803 | E11 |
| 3804 | F9 |
| 3805 | F12 |
| 3806 | E9 |
| 3807 | F9 |
| 3810 | C10 |
| 5401 | C3 |
| 5402 | C5 |
| 5403 | B5 |
| 5804 | F12 |
| 6154 | C13 |
| 6155 | C12 |
| 6460 | E8 |
| 6461 | E8 |
| 6464 | B12 |
| 6465 | C13 |
| 6466 | A12 |
| 6467 | A12 |
| 6468 | B13 |
| 6506 | F6 |
| 6807 | C11 |
| 6808 | E9 |
| 6809 | E9 |
| 7805 | E10 |
| 7806 | E12 |
| 7807 | A13 |
| 9001 | D6 |
| 9003 | D5 |
| 9005 | C6 |
| 9806 | F9 |
| 9808 | D12 |
| 9810 | E10 |
| 9811 | D12 |
| 9812 | F11 |
| 9813 | D12 |
| 9814 | C12 |
| 9818 | B13 |
| F410 | B2 |
| F411 | C2 |
| F412 | C2 |
| F413 | C2 |
| F414 | C2 |
| F415 | D2 |
| F416 | D2 |
| F417 | D3 |
| F418 | D2 |
| F419 | D2 |
| F420 | F8 |
| F421 | F8 |
| F422 | C11 |
| F423 | C11 |
| F424 | G3 |
| F425 | G3 |
| F426 | G2 |
| F427 | F4 |
| F428 | F4 |
| F429 | C13 |
| I410 | C3 |
| I411 | C5 |
| I412 | C6 |
| I413 | C9 |
| I414 | C12 |
| I415 | D7 |
| I416 | D4 |
| I419 | D2 |
| I420 | E12 |
| I421 | E11 |
| I422 | F12 |
| I423 | E11 |
| I424 | E8 |
| I425 | E11 |
| I426 | E10 |
| I427 | E10 |
| I428 | F10 |
| I429 | E2 |
| I430 | E4 |
| I431 | D3 |
| I432 | D5 |
| I441 | B13 |
| I442 | C6 |
| I444 | C7 |
| I445 | C7 |
| I455 | D5 |
| I456 | F7 |
| I810 | C11 |
| I811 | C11 |
| I812 | C11 |
| I813 | C10 |
| I814 | E9 |
| I815 | F9 |
| I816 | F9 |
| I817 | D11 |
| I818 | D5 |
| I819 | D12 |
| I820 | F9 |
| I824 | F12 |
| I825 | E12 |
| I826 | F12 |
| I827 | A12 |
| I828 | F9 |
| I829 | B13 |
| I833 | B13 |
| I834 | C12 |

## Power Supply 32”: Supply


A2
SUPPLY
BIAS SUPPLY
HOT GROUND
COLD GROUND
25V_HOT
20V4 (0V)
400V_HOT
CONTROL
VS-CONTROLLER
MC34067P
HIGH SIDE DRIVE
STP15NK50ZFP
LOW SIDE DRIVE
SOFTSTART CONTROL
CURRENT PROTECTION
TCET1102(G)
S13932-04
BS51
24V-version
+24V
+12V
+295V
DC_PROT
LATCH
Vs Voltage Adj
TO AUDIO - SUPPLY
VSND_POS
GND_SND
VSND_NEG
B7B-EH-A
B6B-PH-K
HEATSINK
GND screw
for EUR, US : 1n5
for CH, AP : 470p
3104 313 6092.4
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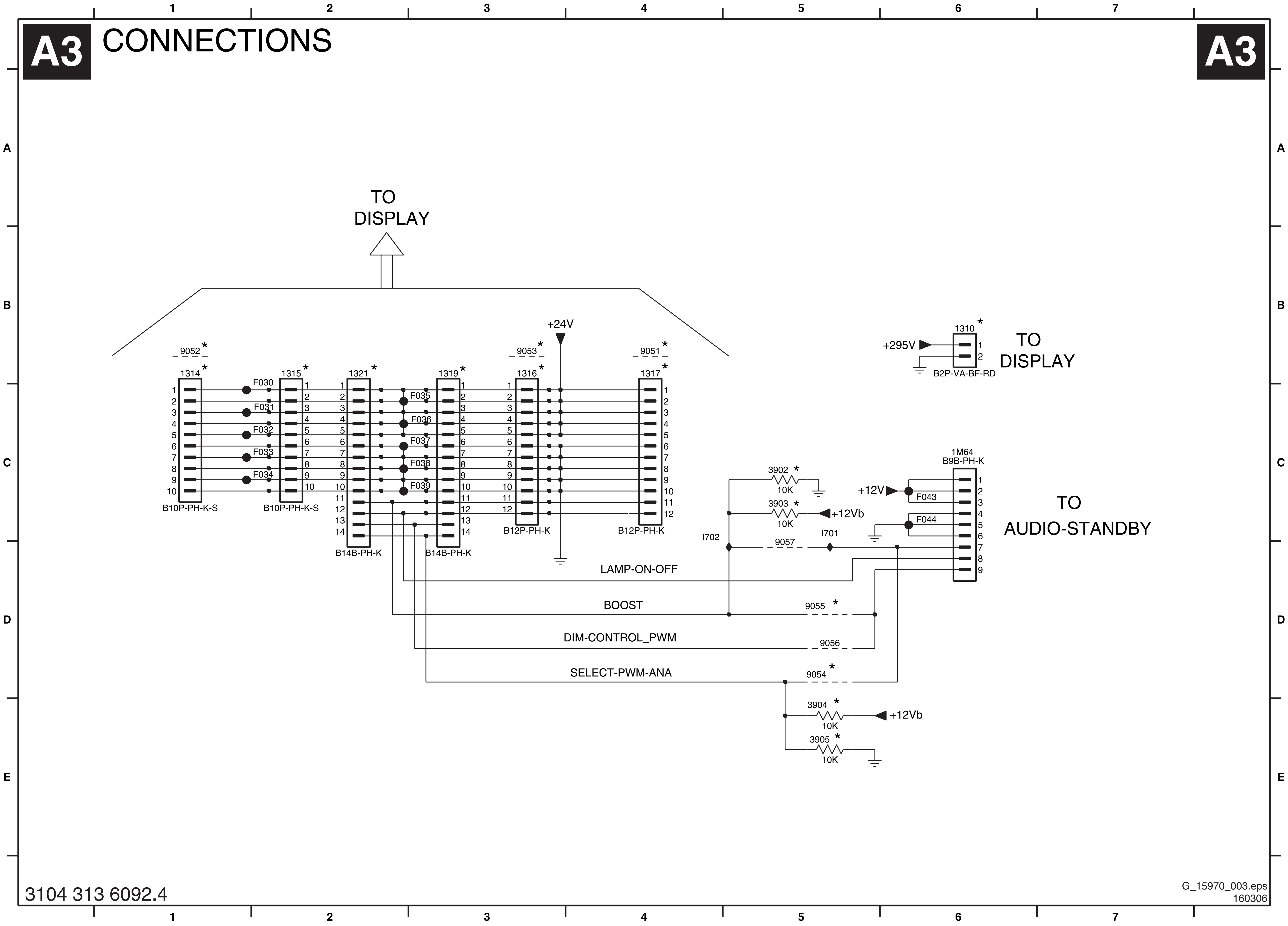
160306

| | |
|---|---|
| 1002 | H14 |
| 1007 | G11 |
| 1009 | I13 |
| 1010 | I14 |
| 1012 | I14 |
| 1M02 | G13 |
| 1M08 | H14 |
| 2000 | E10 |
| 2001 | D11 |
| 2002 | A2 |
| 2003 | A5 |
| 2004 | C2 |
| 2005 | D2 |
| 2006 | C2 |
| 2007 | E2 |
| 2008 | G4 |
| 2009 | D2 |
| 2010 | H1 |
| 2011 | E9 |
| 2012 | E9 |
| 2013 | C9 |
| 2014 | F7 |
| 2015 | F5 |
| 2016 | E6 |
| 2017 | C9 |
| 2018 | F5 |
| 2019 | H3 |
| 2020 | C11 |
| 2021 | B12 |
| 2022 | E12 |
| 2023 | A12 |
| 2024 | F13 |
| 2025 | E13 |
| 2026 | G3 |
| 2027 | F3 |
| 2028 | B11 |
| 2029 | D11 |
| 2030 | F12 |
| 2031 | B12 |
| 2032 | E14 |
| 2033 | E13 |
| 2034 | C2 |
| 2035 | C2 |
| 2036 | B14 |
| 2038 | E12 |
| 2039 | B11 |
| 2040 | C1 |
| 2041 | D13 |
| 2042 | E13 |
| 2043 | E13 |
| 2044 | C11 |
| 2045 | E11 |
| 2046 | I4 |
| 2047 | I5 |
| 2048 | I5 |
| 2049 | E11 |
| 2050 | E4 |
| 2051 | D13 |
| 2052 | E13 |
| 2053 | E13 |
| 2054 | I11 |
| 2055 | C12 |
| 2056 | C12 |
| 2057 | B13 |
| 2058 | B13 |
| 2059 | B14 |
| 2060 | C7 |
| 2061 | B7 |
| 2062 | D7 |
| 2063 | C6 |
| 2064 | D6 |
| 2065 | D8 |
| 2066 | E11 |
| 2067 | F11 |
| 2068 | I12 |
| 2071 | E8 |
| 2072 | C8 |
| 2077 | H5 |
| 2078 | D13 |
| 2290 | G10 |
| 2291 | G11 |
| 2292 | G11 |
| 2293 | H11 |
| 2294 | H11 |
| 3000 | A3 |
| 3001 | F6 |
| 3002 | C2 |
| 3003 | C1 |
| 3004 | D2 |
| 3005 | C3 |
| 3006 | D3 |
| 3007 | E2 |
| 3008 | E2 |
| 3009 | E2 |
| 3010 | H2 |
| 3011 | H2 |
| 3012 | F4 |
| 3013 | F4 |
| 3014 | C8 |
| 3015 | C8 |
| 3016 | C7 |
| 3017 | D8 |
| 3018 | E8 |
| 3019 | E7 |
| 3020 | E7 |
| 3021 | G7 |
| 3022 | C12 |
| 3023 | F12 |
| 3024 | F14 |
| 3025 | F13 |
| 3026 | G13 |
| 3027 | G3 |
| 3028 | E7 |
| 3029 | C7 |
| 3030 | G12 |
| 3031 | A11 |
| 3032 | B11 |
| 3033 | A5 |
| 3034 | G13 |
| 3035 | C7 |
| 3037 | C12 |
| 3038 | F14 |
| 3040 | F13 |
| 3041 | G13 |
| 3043 | D2 |
| 3045 | G5 |
| 3046 | F6 |
| 3047 | H3 |
| 3048 | D2 |
| 3050 | E3 |
| 3051 | H4 |
| 3052 | C12 |
| 3053 | E4 |
| 3055 | I5 |
| 3056 | I4 |
| 3057 | A12 |
| 3058 | E3 |
| 3059 | H11 |
| 3060 | E14 |
| 3061 | E4 |
| 3062 | I11 |
| 3063 | I11 |
| 3064 | F3 |
| 3065 | E4 |
| 3066 | F3 |
| 3067 | G1 |
| 3068 | G4 |
| 3069 | A10 |
| 3070 | H4 |
| 3071 | H4 |
| 3075 | G5 |
| 3089 | H6 |
| 3100 | A9 |
| 3101 | A13 |
| 3102 | B14 |
| 3103 | B14 |
| 3104 | C14 |
| 3105 | C14 |
| 3292 | G10 |
| 3999 | A12 |
| 5001 | C7 |
| 5002 | C9 |
| 5004 | D9 |
| 5005 | C9 |
| 5007 | B9 |
| 5008 | B9 |
| 5009 | B6 |
| 5010 | A6 |
| 5013 | E9 |
| 5015 | C6 |
| 5016 | D6 |
| 5017 | A3 |
| 5025 | D10 |
| 5026 | E10 |
| 5027 | B10 |
| 5028 | C10 |
| 5040 | D9 |
| 5041 | E9 |
| 5291 | G12 |
| 5292 | H12 |
| 5293 | G12 |
| 6001 | D2 |
| 6002 | D8 |
| 6003 | C7 |
| 6004 | D6 |
| 6005 | D6 |
| 6006 | I4 |
| 6007 | C7 |
| 6008 | D7 |
| 6009 | H2 |
| 6010 | G5 |
| 6011 | F5 |
| 6012 | E8 |
| 6013 | C8 |
| 6014 | H6 |
| 6015 | G6 |
| 6016 | I12 |
| 6017 | I5 |
| 6018 | C11 |
| 6019 | B11 |
| 6020 | H1 |
| 6021 | D11 |
| 6022 | H3 |
| 6023 | F13 |
| 6027 | C8 |
| 6028 | E8 |
| 6031 | F11 |
| 6032 | F11 |
| 6033 | E11 |
| 6034 | E11 |
| 6044 | B11 |
| 6045 | C11 |
| 6051 | H4 |
| 6077 | A5 |
| 6078 | A6 |
| 6079 | A4 |
| 6080 | A4 |
| 6081 | A2 |
| 6082 | A4 |
| 6101 | A13 |
| 6102 | B14 |
| 6103 | B13 |
| 6104 | C13 |
| 6291 | G11 |
| 6293 | H11 |
| 7001 | C4 |
| 7002 | A10 |
| 7004 | H5 |
| 7005 | C8 |
| 7006 | D8 |
| 7007 | C8 |
| 7008 | E8 |
| 7009 | G5 |
| 7010 | F12 |
| 7017 | F3 |
| 7018 | F4 |
| 7020 | H12 |
| 7021 | H13 |
| 7030 | A10 |
| 7101 | B13 |
| 7102 | C14 |
| 9002 | G14 |
| 9004 | B6 |
| 9008 | A4 |
| 9009 | A4 |
| 9024 | D8 |
| 9025 | E8 |
| 9029 | C11 |
| 9030 | C11 |
| 9070 | D13 |
| 9071 | D13 |
| 9072 | D14 |
| 9073 | D14 |
| 9074 | E13 |
| 9075 | H13 |
| 9076 | H12 |
| 9077 | H12 |
| F002 | C8 |
| F003 | C6 |
| F004 | D6 |
| F005 | D9 |
| F008 | D6 |
| F009 | D7 |
| F012 | D12 |
| F014 | F13 |
| F016 | B12 |
| F017 | C12 |
| F018 | A8 |
| F019 | D13 |
| F021 | A11 |
| F022 | A12 |
| F023 | F9 |
| F024 | D12 |
| F025 | D12 |
| F027 | D11 |
| F028 | C11 |
| F029 | B9 |
| F046 | I13 |
| F047 | I13 |
| F048 | I13 |
| F290 | H13 |
| F292 | G13 |
| F293 | G12 |
| F294 | H12 |
| F295 | H13 |
| F296 | G13 |
| F297 | G12 |
| F298 | H12 |
| F299 | A9 |
| F300 | F9 |
| I001 | B9 |
| I002 | B9 |
| I003 | C7 |
| I004 | D8 |
| I005 | A11 |
| I006 | B3 |
| I007 | C3 |
| I008 | C3 |
| I009 | C2 |
| I010 | D3 |
| I011 | I5 |
| I012 | D4 |
| I013 | F3 |
| I018 | E3 |
| I020 | F4 |
| I021 | E2 |
| I022 | F3 |
| I023 | F3 |
| I024 | F4 |
| I025 | F3 |
| I027 | C3 |
| I028 | G2 |
| I029 | G3 |
| I030 | A9 |
| I031 | A4 |
| I032 | A3 |
| I033 | F5 |
| I034 | F7 |
| I035 | A3 |
| I036 | F6 |
| I037 | C8 |
| I038 | C8 |
| I039 | D7 |
| I040 | A5 |
| I041 | E11 |
| I042 | C8 |
| I043 | A6 |
| I044 | A6 |
| I045 | C7 |
| I046 | C8 |
| I047 | I12 |
| I048 | D11 |
| I051 | E8 |
| I052 | D8 |
| I055 | E8 |
| I057 | D8 |
| I059 | E8 |
| I062 | A11 |
| I063 | A10 |
| I064 | B7 |
| I070 | B10 |
| I072 | C10 |
| I073 | D10 |
| I074 | E11 |
| I076 | E10 |
| I077 | E11 |
| I080 | F11 |
| I081 | F7 |
| I084 | F9 |
| I085 | F12 |
| I088 | E13 |
| I089 | F12 |
| I092 | F13 |
| I093 | F13 |
| I094 | G12 |
| I095 | A5 |
| I096 | A3 |
| I097 | A4 |
| I098 | A5 |
| I099 | A6 |
| I100 | A7 |
| I101 | A7 |
| I103 | C1 |
| I104 | D2 |
| I105 | E3 |
| I106 | E6 |
| I107 | C7 |
| I108 | D6 |
| I109 | C8 |
| I110 | D9 |
| I111 | C9 |
| I112 | E9 |
| I113 | E9 |
| I114 | D9 |
| I116 | C10 |
| I117 | C10 |
| I119 | C12 |
| I121 | F14 |
| I122 | F14 |
| I123 | F10 |
| I124 | G11 |
| I131 | I6 |
| I132 | I5 |
| I133 | I4 |
| I134 | I3 |
| I135 | G3 |
| I136 | H4 |
| I137 | G4 |
| I138 | H5 |
| I139 | G5 |
| I140 | G5 |
| I141 | H2 |
| I142 | H1 |
| I143 | G1 |
| I145 | E8 |
| I146 | B11 |
| I148 | B13 |
| I149 | D14 |
| I152 | B14 |
| I290 | G11 |
| I291 | G11 |
| I292 | H11 |
| I293 | H11 |
| I294 | C8 |
| I295 | H6 |
| I296 | G6 |
| c001 | I9 |
| c002 | E8 |

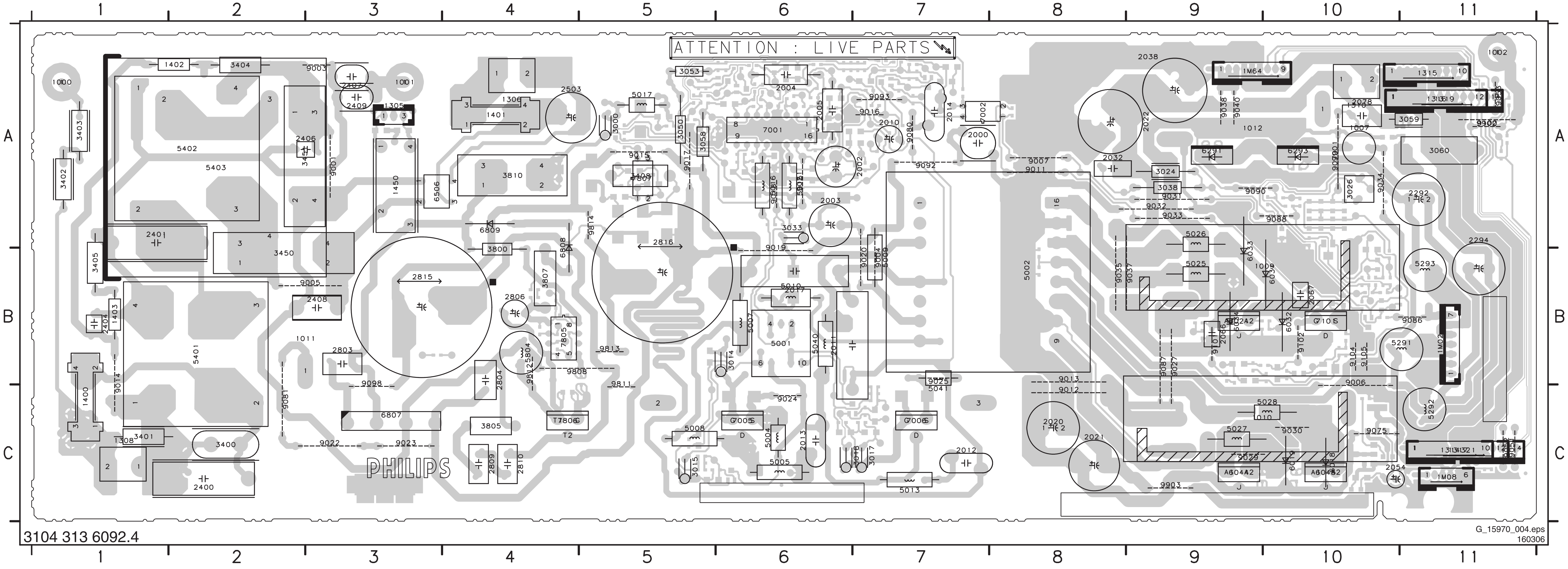
## Power Supply 32”: Connections


A3
CONNECTIONS
A3
TO
DISPLAY
9052
1314
B10P-PH-K-S
1315
B10P-PH-K-S
F030
F031
F032
F033
F034
1321
B14B-PH-K
F035
F036
F037
F038
F039
1319
B14B-PH-K
9053
1316
B12P-PH-K
+24V
9051
1317
B12P-PH-K
+295V
1310
B2P-VA-BF-RD
TO
DISPLAY
1M64
B9B-PH-K
3902
10K
3903
10K
+12Vb
+12V
F043
F044
I702
9057
I701
TO
AUDIO-STANDBY
LAMP-ON-OFF
BOOST
9055
DIM-CONTROL_PWM
9056
SELECT-PWM-ANA
9054
3904
10K
+12Vb
3905
10K
3104 313 6092.4
G_15970_003.eps
160306

| | |
|---|---|
| 1310 | B6 |
| 1314 | B1 |
| 1315 | B2 |
| 1316 | B3 |
| 1317 | B4 |
| 1319 | B3 |
| 1321 | B2 |
| 1M64 | C6 |
| 3902 | C5 |
| 3903 | C5 |
| 3904 | E5 |
| 3905 | E5 |
| 9051 | B4 |
| 9052 | B1 |
| 9053 | B3 |
| 9054 | D5 |
| 9055 | D5 |
| 9056 | D5 |
| 9057 | D5 |
| F030 | C2 |
| F031 | C2 |
| F032 | C2 |
| F033 | C2 |
| F034 | C2 |
| F035 | C3 |
| F036 | C3 |
| F037 | C3 |
| F038 | C3 |
| F039 | C3 |
| F043 | C6 |
| F044 | C6 |
| I701 | C5 |
| I702 | C4 |

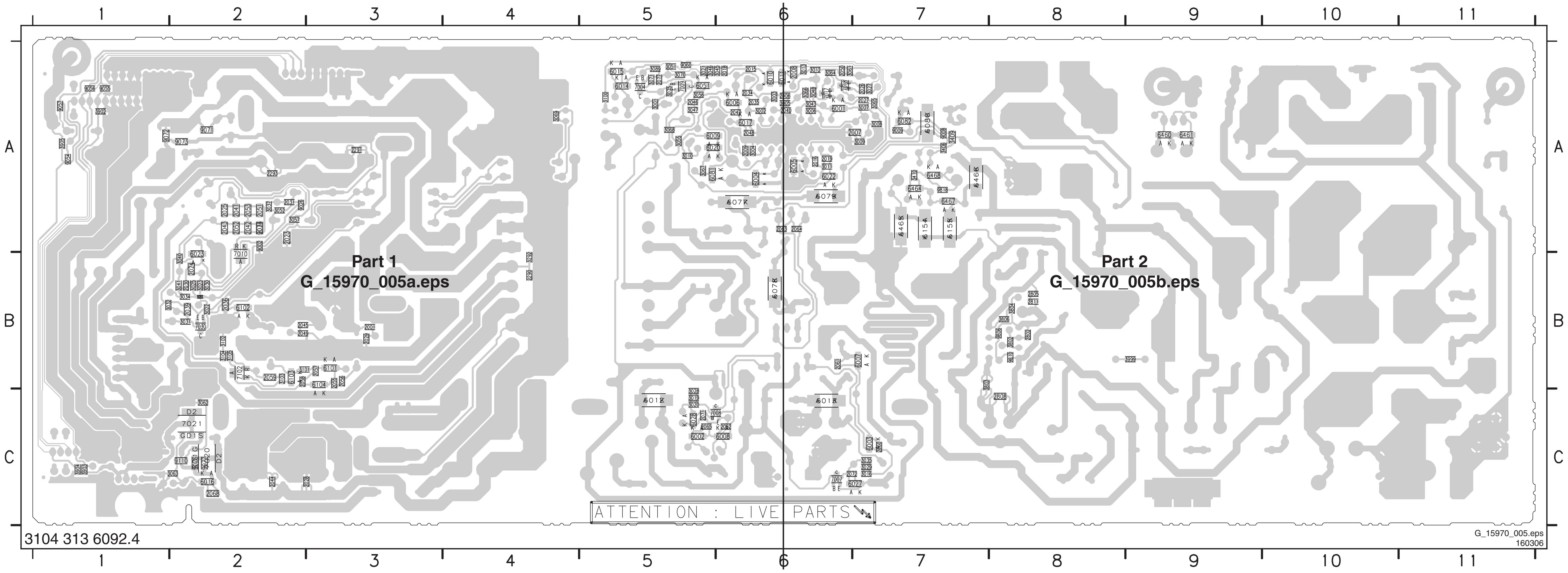
## Layout Power Supply 32” (Top Side)

| | |
|---|---|
| 1000 | A1 |
| 1001 | A3 |
| 1002 | A11 |
| 1007 | A10 |
| 1009 | B9 |
| 1010 | C9 |
| 1011 | C3 |
| 1012 | A9 |
| 1305 | A3 |
| 1306 | A4 |
| 1308 | C1 |
| 1310 | A10 |
| 1314 | C11 |
| 1315 | A11 |
| 1316 | A11 |
| 1317 | C11 |
| 1319 | A11 |
| 1321 | C11 |
| 1400 | C1 |
| 1401 | A4 |
| 1402 | A2 |
| 1403 | B1 |
| 1450 | A3 |
| 1M02 | B11 |
| 1M08 | C11 |
| 1M64 | A9 |
| 2000 | A7 |
| 2002 | A7 |
| 2003 | A6 |
| 2004 | A6 |
| 2005 | A6 |
| 2010 | A7 |
| 2011 | B7 |
| 2012 | C7 |
| 2013 | C6 |
| 2014 | A7 |
| 2017 | B6 |
| 2020 | C8 |
| 2021 | C8 |
| 2022 | A8 |
| 2032 | A8 |
| 2038 | A9 |
| 2054 | C10 |
| 2066 | B9 |
| 2067 | B10 |
| 2078 | A10 |
| 2292 | A11 |
| 2294 | A11 |
| 2400 | C2 |
| 2401 | B1 |
| 2404 | B1 |
| 2406 | A3 |
| 2407 | A3 |
| 2408 | B3 |
| 2409 | A3 |
| 2503 | A4 |
| 2803 | B3 |
| 2804 | B4 |
| 2806 | B4 |
| 2809 | C4 |
| 2810 | C4 |
| 2815 | A3 |
| 2816 | A5 |
| 3000 | A5 |
| 3014 | B6 |
| 3015 | C5 |
| 3017 | C7 |
| 3018 | C6 |
| 3024 | A9 |
| 3026 | A10 |
| 3033 | A6 |
| 3038 | A9 |
| 3050 | A5 |
| 3053 | A5 |
| 3058 | A5 |
| 3059 | A11 |
| 3060 | A11 |
| 3400 | C2 |
| 3401 | C2 |
| 3402 | A1 |
| 3403 | A1 |
| 3404 | A2 |
| 3405 | B1 |
| 3408 | A5 |
| 3450 | A2 |
| 3451 | A2 |
| 3800 | A4 |
| 3805 | C4 |
| 3807 | B4 |
| 3810 | A4 |
| 5001 | B6 |
| 5002 | A8 |
| 5004 | C6 |
| 5005 | C6 |
| 5007 | B6 |
| 5008 | C5 |
| 5009 | B7 |
| 5010 | B6 |
| 5013 | C7 |
| 5015 | A6 |
| 5016 | A6 |
| 5017 | A5 |
| 5025 | B9 |
| 5026 | A9 |
| 5027 | C9 |
| 5028 | C10 |
| 5040 | B6 |
| 5041 | C7 |
| 5291 | B11 |
| 5292 | C11 |
| 5293 | A11 |
| 5401 | B2 |
| 5402 | A1 |
| 5403 | A3 |
| 5804 | B4 |
| 6018 | C10 |
| 6019 | C10 |
| 6021 | B9 |
| 6031 | B10 |
| 6032 | B10 |
| 6033 | B9 |
| 6034 | B9 |
| 6044 | C9 |
| 6045 | C10 |
| 6291 | A9 |
| 6293 | A10 |
| 6506 | A3 |
| 6807 | C3 |
| 6808 | A4 |
| 6809 | A4 |
| 7001 | A6 |
| 7002 | A7 |
| 7005 | C6 |
| 7006 | C7 |
| 7101 | B10 |
| 7805 | B4 |
| 7806 | C4 |
| 7807 | A5 |
| 9001 | A3 |
| 9003 | A3 |
| 9004 | A7 |
| 9005 | B3 |
| 9006 | B10 |
| 9007 | A8 |
| 9011 | A8 |
| 9012 | C8 |
| 9013 | B8 |
| 9014 | B1 |
| 9015 | A5 |
| 9016 | A7 |
| 9017 | A5 |
| 9018 | A6 |
| 9019 | A6 |
| 9020 | B7 |
| 9021 | A6 |
| 9022 | C3 |
| 9023 | C3 |
| 9024 | C6 |
| 9025 | B7 |
| 9027 | B9 |
| 9029 | C9 |
| 9030 | C10 |
| 9031 | A9 |
| 9032 | A9 |
| 9033 | A9 |
| 9034 | A10 |
| 9035 | B8 |
| 9037 | B9 |
| 9038 | A9 |
| 9040 | A9 |
| 9051 | C11 |
| 9052 | C11 |
| 9053 | A11 |
| 9070 | A10 |
| 9075 | C10 |
| 9080 | A7 |
| 9081 | C2 |
| 9086 | B11 |
| 9087 | B9 |
| 9088 | A10 |
| 9090 | A9 |
| 9092 | A7 |
| 9093 | A7 |
| 9098 | B3 |
| 9100 | A11 |
| 9101 | B9 |
| 9102 | B10 |
| 9104 | B10 |
| 9105 | B10 |
| 9808 | B4 |
| 9811 | B5 |
| 9812 | C4 |
| 9813 | B5 |
| 9814 | A5 |
| 9901 | A10 |
| 9902 | A11 |
| 9903 | C9 |

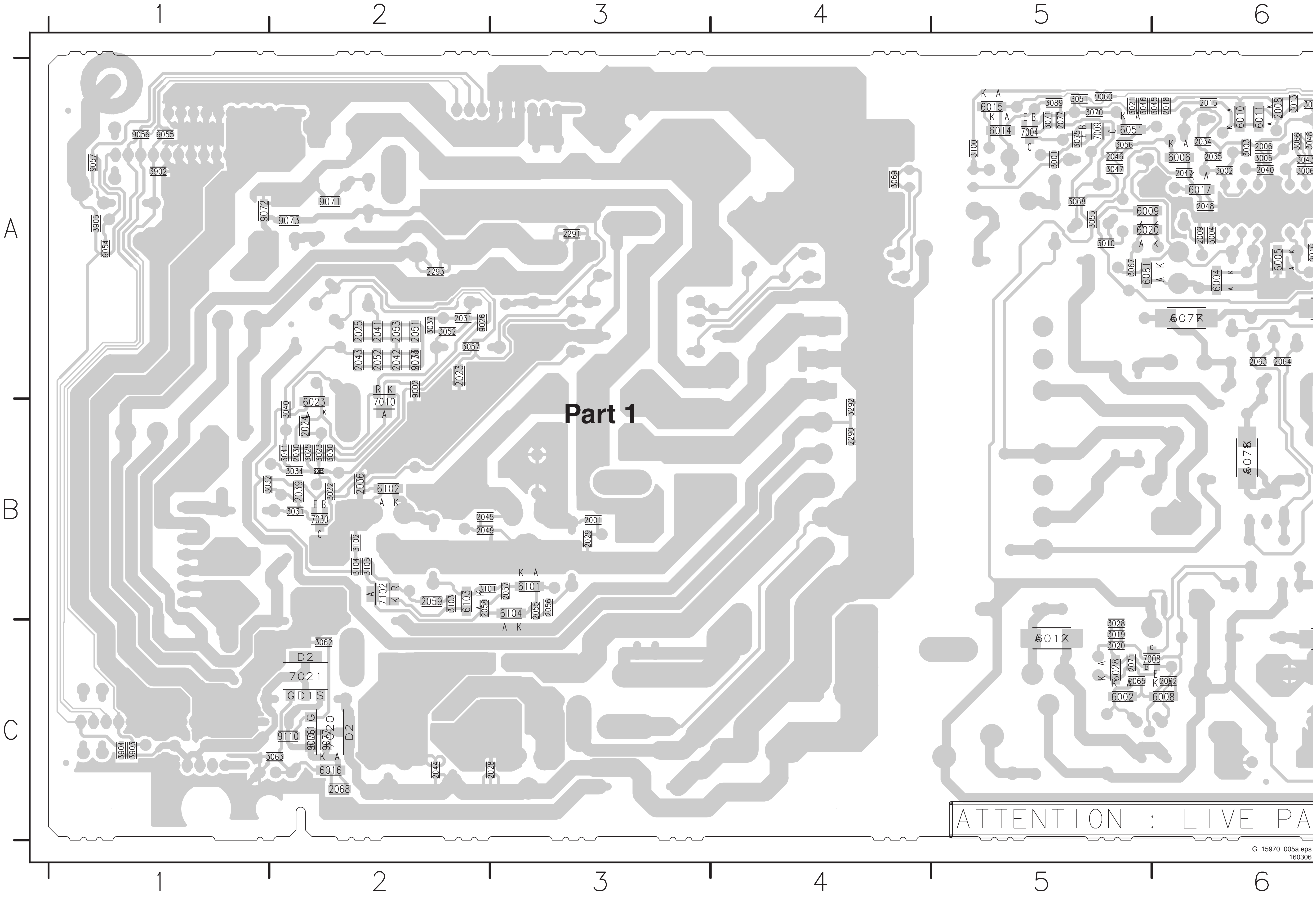


## Layout Power Supply 32” (Overview Bottom Side)

| | |
|---|---|
| 2001 | B3 |
| 2006 | A6 |
| 2007 | A7 |
| 2008 | A6 |
| 2009 | A6 |
| 2015 | A6 |
| 2016 | A6 |
| 2018 | A6 |
| 2019 | A6 |
| 2023 | A2 |
| 2024 | B2 |
| 2025 | A2 |
| 2026 | A7 |
| 2027 | A7 |
| 2028 | C3 |
| 2029 | B3 |
| 2030 | B2 |
| 2031 | A2 |
| 2033 | A2 |
| 2034 | A6 |
| 2035 | A6 |
| 2036 | B2 |
| 2039 | B2 |
| 2040 | A6 |
| 2041 | A2 |
| 2042 | A2 |
| 2043 | A2 |
| 2044 | C2 |
| 2045 | B2 |
| 2046 | A5 |
| 2047 | A6 |
| 2048 | A6 |
| 2049 | B2 |
| 2050 | A6 |
| 2051 | A2 |
| 2052 | A2 |
| 2053 | A2 |
| 2055 | B3 |
| 2056 | B3 |
| 2057 | B3 |
| 2058 | B2 |
| 2059 | B2 |
| 2060 | C7 |
| 2061 | B6 |
| 2062 | C6 |
| 2063 | A6 |
| 2064 | A6 |
| 2065 | C5 |
| 2068 | C2 |
| 2071 | C5 |
| 2072 | C6 |
| 2077 | A5 |
| 2290 | B4 |
| 2291 | A3 |
| 2293 | A2 |
| 2802 | B8 |
| 2805 | B8 |
| 2808 | C8 |
| 2811 | B8 |
| 3001 | A5 |
| 3002 | A6 |
| 3003 | A6 |
| 3004 | A6 |
| 3005 | A6 |
| 3006 | A6 |
| 3007 | A7 |
| 3008 | A7 |
| 3009 | A7 |
| 3010 | A5 |
| 3011 | A6 |
| 3012 | A6 |
| 3013 | A6 |
| 3016 | C7 |
| 3019 | C5 |
| 3020 | C5 |
| 3021 | A5 |
| 3022 | B2 |
| 3023 | B2 |
| 3025 | B2 |
| 3027 | A7 |
| 3028 | C5 |
| 3029 | C7 |
| 3030 | B2 |
| 3031 | B2 |
| 3032 | B1 |
| 3034 | B2 |
| 3035 | C7 |
| 3037 | A2 |
| 3040 | B2 |
| 3041 | B2 |
| 3043 | A6 |
| 3045 | A6 |
| 3046 | A5 |
| 3047 | A5 |
| 3048 | A6 |
| 3051 | A5 |
| 3052 | A2 |
| 3055 | A5 |
| 3056 | A5 |
| 3057 | A2 |
| 3061 | A6 |
| 3062 | C2 |
| 3063 | C2 |
| 3064 | A6 |
| 3065 | A7 |
| 3066 | A6 |
| 3067 | A5 |
| 3068 | A5 |
| 3069 | A4 |
| 3070 | A5 |
| 3071 | A5 |
| 3075 | A5 |
| 3089 | A5 |
| 3100 | A5 |
| 3101 | B2 |
| 3102 | B2 |
| 3103 | B2 |
| 3104 | B2 |
| 3105 | B2 |
| 3292 | B4 |
| 3406 | A7 |
| 3409 | A7 |
| 3410 | A7 |
| 3802 | B8 |
| 3803 | B7 |
| 3804 | B8 |
| 3806 | B8 |
| 3902 | A1 |
| 3903 | C1 |
| 3904 | C1 |
| 3905 | A1 |
| 3999 | B9 |
| 6001 | A6 |
| 6002 | C5 |
| 6003 | C7 |
| 6004 | A6 |
| 6005 | A6 |
| 6006 | A6 |
| 6007 | B7 |
| 6008 | C6 |
| 6009 | A5 |
| 6010 | A6 |
| 6011 | A6 |
| 6012 | B5 |
| 6013 | B6 |
| 6014 | A5 |
| 6015 | A5 |
| 6016 | C2 |
| 6017 | A6 |
| 6020 | A5 |
| 6022 | A6 |
| 6023 | A2 |
| 6027 | C7 |
| 6028 | C5 |
| 6051 | A5 |
| 6077 | A5 |
| 6078 | B6 |
| 6079 | A6 |
| 6080 | A7 |
| 6081 | A5 |
| 6082 | A7 |
| 6101 | B3 |
| 6102 | B2 |
| 6103 | B2 |
| 6104 | B3 |
| 6154 | A7 |
| 6155 | A7 |
| 6460 | A9 |
| 6461 | A9 |
| 6464 | A7 |
| 6465 | A7 |
| 6466 | A7 |
| 6467 | A7 |
| 6468 | A7 |
| 7004 | A5 |
| 7007 | C6 |
| 7008 | C5 |
| 7009 | A5 |
| 7010 | A2 |
| 7017 | A6 |
| 7018 | A6 |
| 7020 | C2 |
| 7021 | C2 |
| 7030 | B2 |
| 7102 | B2 |
| 9002 | A2 |
| 9008 | A7 |
| 9009 | A7 |
| 9026 | A2 |
| 9054 | A1 |
| 9055 | A1 |
| 9056 | A1 |
| 9057 | A1 |
| 9060 | A5 |
| 9071 | A2 |
| 9072 | A1 |
| 9073 | A2 |
| 9074 | A2 |
| 9076 | C2 |
| 9077 | C2 |
| 9085 | B2 |
| 9110 | C2 |
| 9806 | B8 |
| 9810 | B8 |
| 9818 | A7 |



## Layout Power Supply 32” (Part 1 Bottom Side)


1
2
3
4
5
6
A
B
C
Part 1
9056
9055
9057
3902
3905
9054
9072
9073
9071
2291
2293
2025
2041
2053
2051
3037
2031
9026
3052
3057
2043
2052
2042
9034
9002
2023
6023
3040
2024
7010
R K
A
3041
2039
3025
3023
3036
3034
3032
2039
3022
2036
6102
A K
3031
E B
7030
C
2045
2049
2001
2029
3102
3104
3105
7102
K R
2059
3103
6103
3101
2058
2057
6101
K A
6104
A K
2055
2056
3062
D2
7021
G D 1 S
7020
D2
G
9110
9026
9027
3063
K A
6016
2068
2044
2028
3904
3903
3069
3292
2290
6015
K A
6014
7004
E B
C
3089
3071
2077
3051
3070
9060
7009
3075
6051
3056
3021
3046
3045
2018
2015
6010
6011
2008
3013
3100
3001
2046
3047
6006
2034
2035
3003
2006
3005
2040
3066
3048
3043
3006
3002
6017
2047
3068
3055
6009
6020
2048
3010
2009
3004
6005
3067
6081
6004
6071
2063
2064
6078
6012
3028
3019
3020
7008
6028
2071
2065
2062
6002
6008
ATTENTION : LIVE PA
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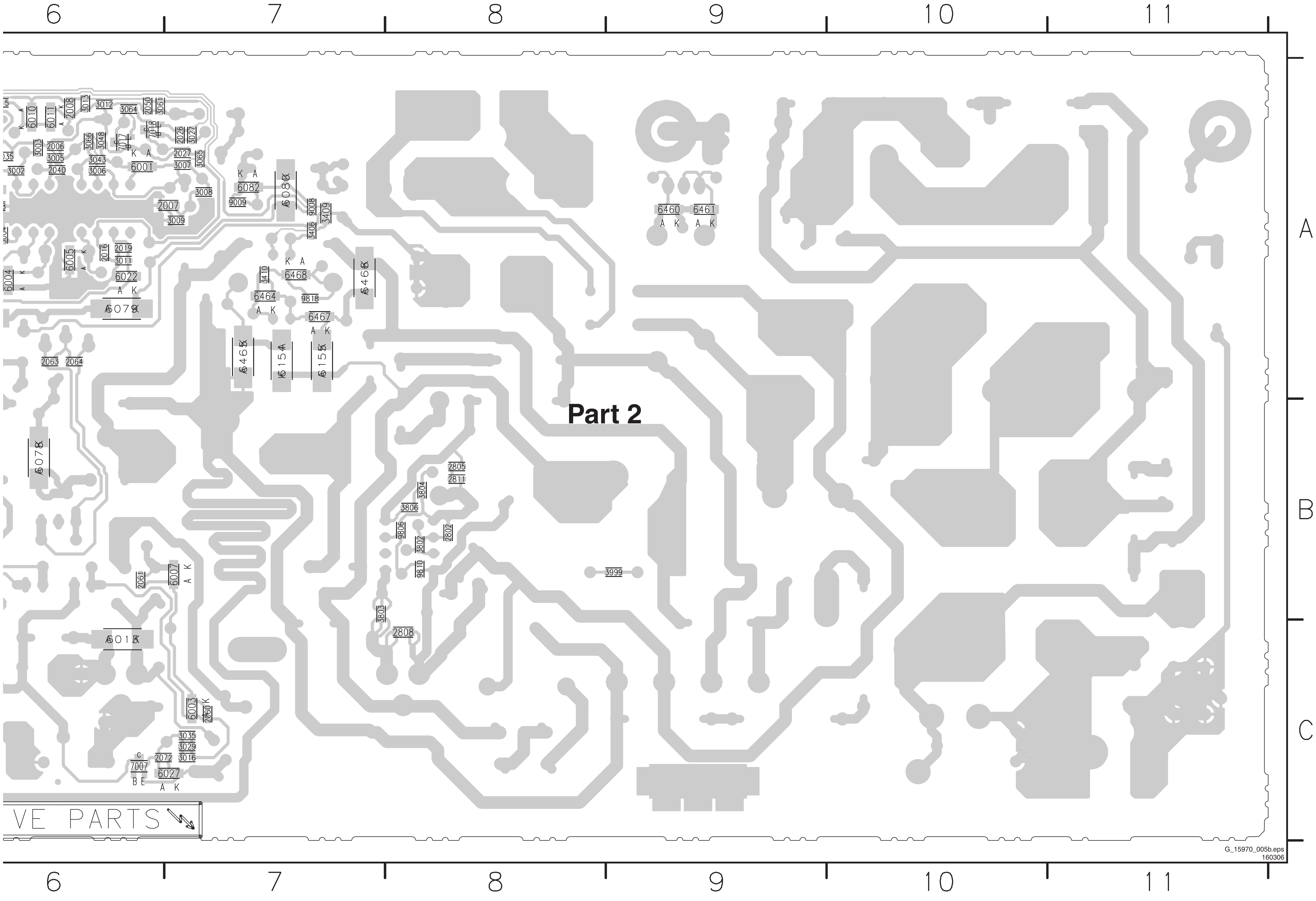
## Layout Power Supply 32” (Part 2 Bottom Side)


6
7
8
9
10
11
A
B
C
Part 2
6010
6011
2008
3013
3012
3064
2050
3061
3003
2006
3005
2040
3002
3066
3048
3043
3006
7018
2026
3027
2027
3007
3065
6001
3008
2007
3009
6082
6080
9009
9008
3409
3406
2016
2019
3011
6005
6022
6004
6079
3410
6468
6464
9818
6467
6469
6460
6461
6465
6154
6153
2063
2064
6078
2805
2811
3804
3806
9806
3802
2802
9810
3999
2061
6007
3803
2808
6013
6003
2060
3035
3029
3016
7007
2072
6027
VE PARTS

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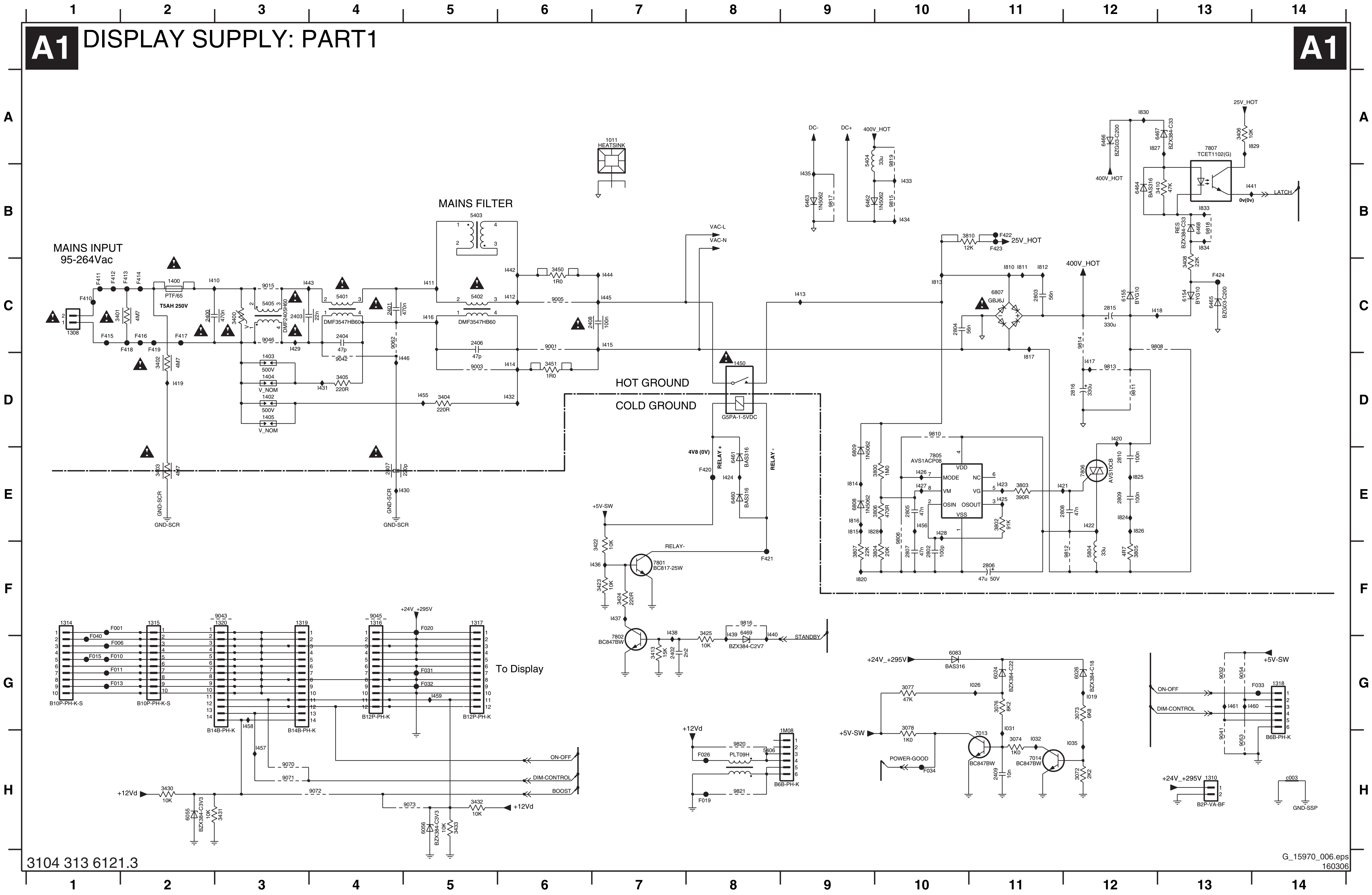
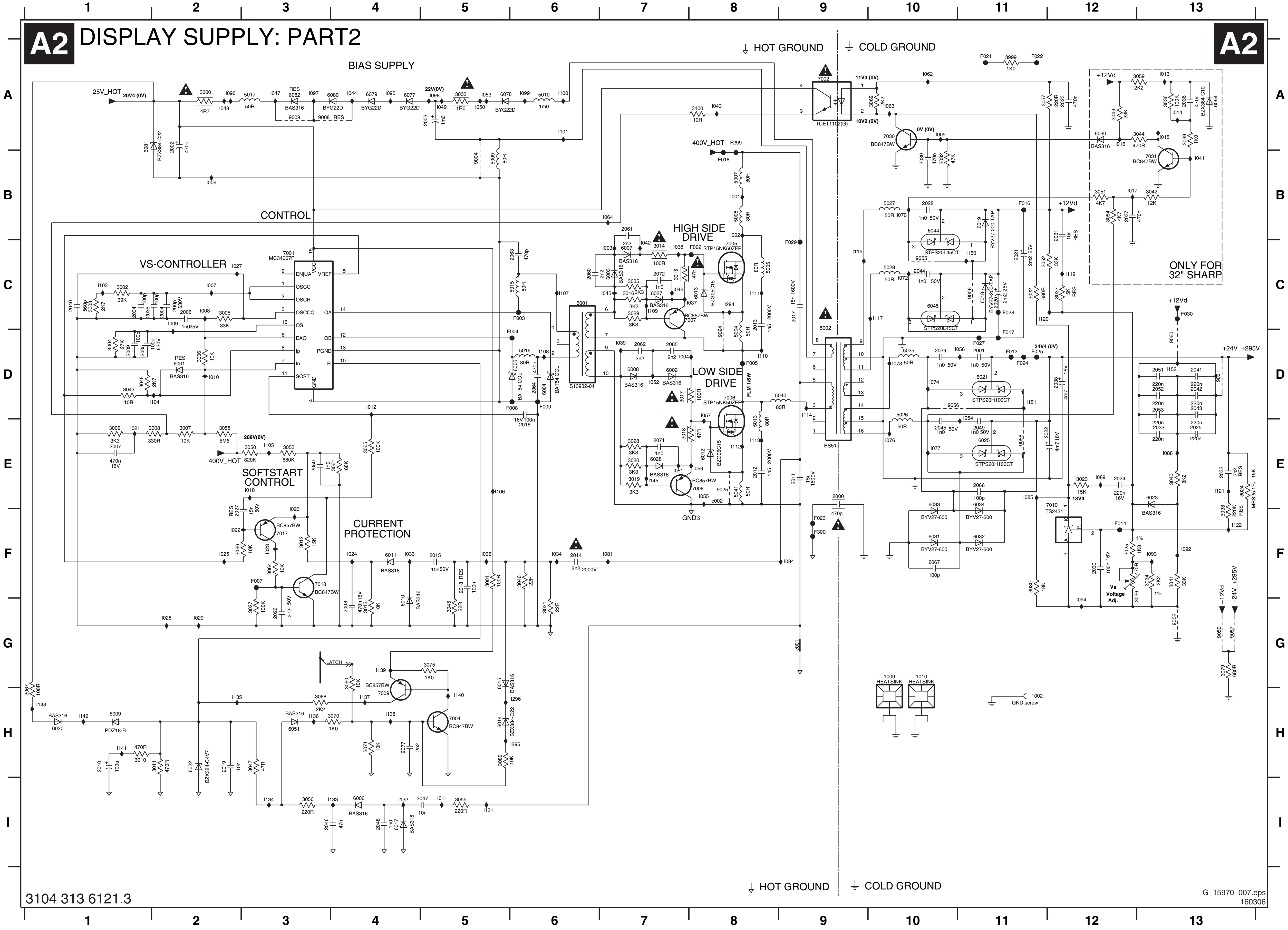
160306

## Display Supply 37”: Part 1


A1
DISPLAY SUPPLY: PART1
MAINS INPUT
95-264Vac
MAINS FILTER
HOT GROUND
COLD GROUND
To Display
1011 HEATSINK
T5AH 250V
DMF3547HB60
G5PA-1-5VDC
AVS1ACP08
TCET1102(G)
BC817-25W
BC847BW
GBJ6J
AVS10CB
VAC-L
VAC-N
400V_HOT
25V_HOT
+5V-SW
+12Vd
+24V_+295V
STANDBY
LATCH
ON-OFF
DIM-CONTROL
BOOST
POWER-GOOD
GND-SCR
GND-SSP
RELAY+
RELAY-
3104 313 6121.3
G_15970_006.eps
160306

| | |
|---|---|
| 1011 | A7 |
| 1308 | C1 |
| 1310 | H13 |
| 1314 | F1 |
| 1315 | F2 |
| 1316 | F4 |
| 1317 | F5 |
| 1318 | G14 |
| 1319 | F3 |
| 1320 | F3 |
| 1400 | C2 |
| 1402 | D3 |
| 1403 | D3 |
| 1404 | D3 |
| 1405 | D3 |
| 1450 | D8 |
| 1M08 | H9 |
| 2400 | C2 |
| 2401 | C4 |
| 2402 | G7 |
| 2403 | C3 |
| 2404 | C4 |
| 2406 | C5 |
| 2407 | E4 |
| 2408 | C7 |
| 2409 | H11 |
| 2802 | F10 |
| 2803 | C11 |
| 2804 | C10 |
| 2805 | E10 |
| 2806 | F11 |
| 2807 | F10 |
| 2808 | E12 |
| 2809 | E12 |
| 2810 | E12 |
| 2815 | C12 |
| 2816 | D12 |
| 3072 | H12 |
| 3073 | G12 |
| 3074 | H11 |
| 3076 | G11 |
| 3077 | G10 |
| 3078 | G10 |
| 3400 | C3 |
| 3401 | C1 |
| 3402 | D2 |
| 3403 | E2 |
| 3404 | D5 |
| 3405 | D4 |
| 3406 | A13 |
| 3408 | C13 |
| 3410 | B13 |
| 3413 | G7 |
| 3422 | F7 |
| 3423 | F7 |
| 3424 | F7 |
| 3425 | F8 |
| 3430 | H2 |
| 3431 | H3 |
| 3432 | H5 |
| 3433 | H5 |
| 3450 | C6 |
| 3451 | D6 |
| 3800 | E10 |
| 3802 | E11 |
| 3803 | E11 |
| 3804 | F10 |
| 3805 | F12 |
| 3806 | E10 |
| 3807 | F9 |
| 3810 | B10 |
| 5401 | C4 |
| 5402 | C5 |
| 5403 | B5 |
| 5404 | A9 |
| 5405 | C3 |
| 5406 | H8 |
| 5804 | F12 |
| 6024 | G11 |
| 6026 | G12 |
| 6055 | H2 |
| 6056 | H5 |
| 6083 | G10 |
| 6154 | C13 |
| 6155 | C12 |
| 6460 | E8 |
| 6461 | E8 |
| 6462 | B9 |
| 6463 | B9 |
| 6464 | B12 |
| 6465 | C13 |
| 6466 | A12 |
| 6467 | A13 |
| 6468 | B13 |
| 6469 | F8 |
| 6807 | C11 |
| 6808 | E9 |
| 6809 | E9 |
| 7013 | H11 |
| 7014 | H11 |
| 7801 | F7 |
| 7802 | G7 |
| 7805 | E10 |
| 7806 | E12 |
| 7807 | A13 |
| 9001 | C6 |
| 9003 | D5 |
| 9005 | C6 |
| 9015 | C3 |
| 9041 | H13 |
| 9042 | D4 |
| 9043 | F3 |
| 9045 | F4 |
| 9046 | C3 |
| 9052 | G13 |
| 9053 | H13 |
| 9054 | G13 |
| 9062 | C4 |
| 9070 | H3 |
| 9071 | H3 |
| 9072 | H4 |
| 9073 | H5 |
| 9806 | E10 |
| 9808 | C12 |
| 9810 | D10 |
| 9811 | D12 |
| 9812 | F12 |
| 9813 | D12 |
| 9814 | C12 |
| 9815 | B10 |
| 9816 | F8 |
| 9817 | B9 |
| 9818 | B13 |
| 9819 | A10 |
| 9820 | H8 |
| 9821 | H8 |
| F001 | F1 |
| F006 | G1 |
| F010 | G1 |
| F011 | G1 |
| F013 | G1 |
| F015 | G1 |
| F019 | H8 |
| F020 | F5 |
| F026 | H8 |
| F031 | G5 |
| F032 | G5 |
| F033 | G14 |
| F034 | H10 |
| F040 | G1 |
| F410 | C1 |
| F411 | C1 |
| F412 | C1 |
| F413 | C2 |
| F414 | C2 |
| F415 | C1 |
| F416 | C2 |
| F417 | C2 |
| F418 | C2 |
| F419 | C2 |
| F420 | E8 |
| F421 | F8 |
| F422 | B11 |
| F423 | B11 |
| F424 | C13 |
| I019 | G12 |
| I026 | G11 |
| I031 | G11 |
| I032 | H11 |
| I035 | H12 |
| I410 | C2 |
| I411 | C5 |
| I412 | C6 |
| I413 | C9 |
| I414 | D6 |
| I415 | C7 |
| I416 | C5 |
| I417 | D12 |
| I418 | C12 |
| I419 | D2 |
| I420 | D12 |
| I421 | E11 |
| I422 | E12 |
| I423 | E11 |
| I424 | E8 |
| I425 | E11 |
| I426 | E10 |
| I427 | E10 |
| I428 | E10 |
| I429 | C3 |
| I430 | E5 |
| I431 | D4 |
| I432 | D6 |
| I433 | B10 |
| I434 | B10 |
| I435 | B9 |
| I436 | F7 |
| I437 | F7 |
| I438 | F7 |
| I439 | F8 |
| I440 | F8 |
| I441 | B13 |
| I442 | C6 |
| I443 | C3 |
| I444 | C7 |
| I445 | C7 |
| I446 | D5 |
| I455 | D5 |
| I456 | E10 |
| I457 | H3 |
| I458 | G3 |
| I459 | G5 |
| I460 | G14 |
| I461 | G13 |
| I810 | C11 |
| I811 | C11 |
| I812 | C11 |
| I813 | C10 |
| I814 | E9 |
| I815 | E9 |
| I816 | E9 |
| I817 | D11 |
| I820 | F9 |
| I824 | E12 |
| I825 | E12 |
| I826 | E12 |
| I827 | A12 |
| I828 | E9 |
| I829 | A14 |
| I830 | A12 |
| I833 | B13 |
| I834 | B13 |
| c003 | H14 |

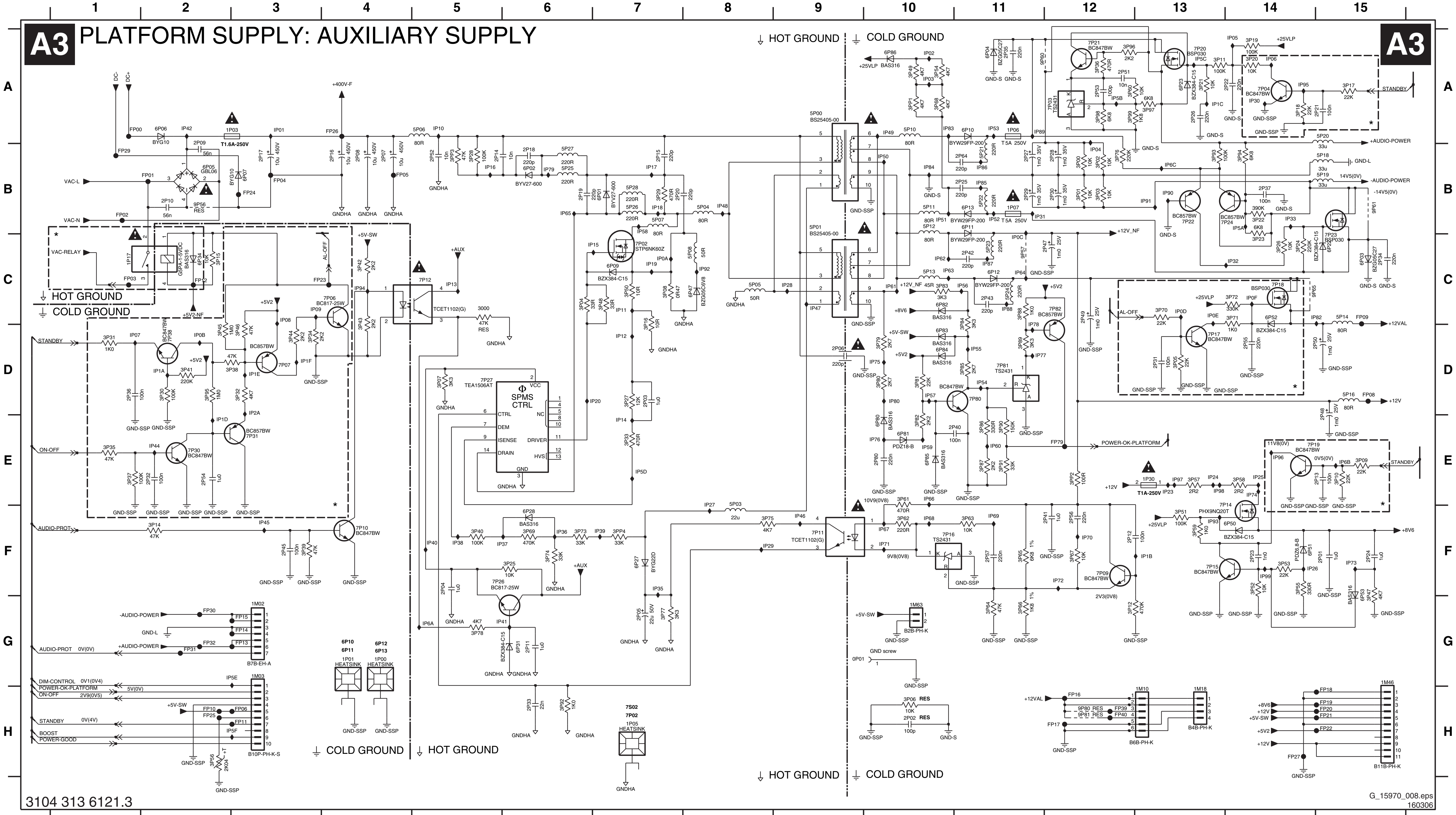
## Display Supply 37": Part 2


A2
DISPLAY SUPPLY: PART2
BIAS SUPPLY
HOT GROUND
COLD GROUND
25V_HOT
20V4 (0V)
22V(0V)
11V3 (0V)
10V2 (0V)
0V (0V)
400V_HOT
CONTROL
VS-CONTROLLER
7001
MC34067P
ENJUA
OSCC
OSCR
OSCCC
OS
EAO
Ip
In
SOST
VREF
OA
OB
PGND
FI
VCC
GND
HIGH SIDE DRIVE
STP15NK50ZFP
LOW SIDE DRIVE
SOFTSTART CONTROL
CURRENT PROTECTION
288V(0V)
TCET1102(G)
BC847BW
BC857BW
S13932-04
BS51
STPS20L45CT
STPS20H100CT
BYV27-600
BYV27-200-TAP
TS2431
13V4
+12Vd
24V4 (0V)
+24V_+295V
ONLY FOR 32" SHARP
Vs Voltage Adj.
GND3
LATCH
HEATSINK
GND screw
3104 313 6121.3
G_15970_007.eps
160306
1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G H I

| | |
|---|---|
| 1002 | H11 |
| 1009 | G10 |
| 1010 | G10 |
| 2000 | E9 |
| 2001 | D11 |
| 2002 | A2 |
| 2003 | A5 |
| 2004 | C2 |
| 2005 | D1 |
| 2006 | C2 |
| 2007 | E1 |
| 2008 | G4 |
| 2009 | D1 |
| 2010 | H1 |
| 2011 | E9 |
| 2012 | E8 |
| 2013 | C8 |
| 2014 | F6 |
| 2015 | F5 |
| 2016 | E6 |
| 2017 | C9 |
| 2018 | F5 |
| 2019 | H2 |
| 2020 | C11 |
| 2021 | C11 |
| 2022 | E12 |
| 2023 | A12 |
| 2024 | E12 |
| 2025 | E13 |
| 2026 | G3 |
| 2027 | F2 |
| 2028 | B10 |
| 2029 | D10 |
| 2030 | F12 |
| 2031 | B12 |
| 2032 | E13 |
| 2033 | E13 |
| 2034 | C1 |
| 2035 | C1 |
| 2036 | A13 |
| 2037 | B12 |
| 2038 | D12 |
| 2039 | B10 |
| 2040 | C1 |
| 2041 | D13 |
| 2042 | D13 |
| 2043 | D13 |
| 2044 | C10 |
| 2045 | E10 |
| 2046 | I3 |
| 2047 | I5 |
| 2048 | I4 |
| 2049 | E11 |
| 2050 | E3 |
| 2051 | D13 |
| 2052 | D13 |
| 2053 | D13 |
| 2060 | C6 |
| 2061 | B7 |
| 2062 | D7 |
| 2063 | C6 |
| 2064 | D6 |
| 2065 | D7 |
| 2066 | E11 |
| 2067 | F10 |
| 2071 | E7 |
| 2072 | C7 |
| 2077 | H4 |
| 3000 | A2 |
| 3001 | F5 |
| 3002 | C1 |
| 3003 | C1 |
| 3004 | D1 |
| 3005 | C2 |
| 3006 | D2 |
| 3007 | E2 |
| 3008 | E2 |
| 3009 | E1 |
| 3010 | H1 |
| 3011 | H2 |
| 3012 | F3 |
| 3013 | G4 |
| 3014 | C7 |
| 3015 | C7 |
| 3016 | C7 |
| 3017 | D7 |
| 3018 | E7 |
| 3019 | E7 |
| 3020 | E7 |
| 3021 | G6 |
| 3022 | C11 |
| 3023 | E12 |
| 3024 | E13 |
| 3025 | F12 |
| 3026 | G13 |
| 3027 | G3 |
| 3028 | E7 |
| 3029 | C7 |
| 3030 | F11 |
| 3032 | B10 |
| 3033 | A5 |
| 3034 | F13 |
| 3035 | C7 |
| 3036 | A13 |
| 3037 | C12 |
| 3038 | F13 |
| 3039 | A13 |
| 3040 | E13 |
| 3041 | F13 |
| 3042 | B13 |
| 3043 | D1 |
| 3044 | A13 |
| 3045 | G5 |
| 3046 | F6 |
| 3047 | H3 |
| 3048 | D1 |
| 3049 | A12 |
| 3050 | E3 |
| 3051 | B12 |
| 3052 | C11 |
| 3053 | E3 |
| 3054 | B12 |
| 3055 | I5 |
| 3056 | I3 |
| 3057 | A11 |
| 3058 | E2 |
| 3059 | A13 |
| 3060 | G4 |
| 3061 | E4 |
| 3064 | F3 |
| 3065 | E4 |
| 3066 | F2 |
| 3067 | H1 |
| 3068 | H3 |
| 3069 | A10 |
| 3070 | H4 |
| 3071 | H4 |
| 3075 | G5 |
| 3079 | G13 |
| 3089 | H5 |
| 3100 | A8 |
| 3999 | A11 |
| 5001 | C6 |
| 5002 | D9 |
| 5004 | D8 |
| 5005 | C8 |
| 5007 | B8 |
| 5008 | B8 |
| 5009 | B5 |
| 5010 | A6 |
| 5013 | E8 |
| 5015 | C6 |
| 5016 | D6 |
| 5017 | A3 |
| 5025 | D10 |
| 5026 | D10 |
| 5027 | B10 |
| 5028 | C10 |
| 5040 | D9 |
| 5041 | E8 |
| 6001 | D2 |
| 6002 | D7 |
| 6003 | C7 |
| 6004 | D6 |
| 6005 | D6 |
| 6006 | I4 |
| 6007 | C7 |
| 6008 | D7 |
| 6009 | H1 |
| 6010 | G4 |
| 6011 | F4 |
| 6012 | E8 |
| 6013 | C8 |
| 6014 | H5 |
| 6015 | G5 |
| 6017 | I4 |
| 6018 | C11 |
| 6019 | B11 |
| 6020 | H1 |
| 6021 | D11 |
| 6022 | H2 |
| 6023 | E13 |
| 6025 | E11 |
| 6027 | C7 |
| 6028 | E7 |
| 6030 | A12 |
| 6031 | F10 |
| 6032 | F11 |
| 6033 | E10 |
| 6034 | E11 |
| 6044 | B10 |
| 6045 | C10 |
| 6051 | H3 |
| 6054 | A13 |
| 6077 | A4 |
| 6078 | A5 |
| 6079 | A4 |
| 6080 | A4 |
| 6081 | A1 |
| 6082 | A3 |
| 7001 | C3 |
| 7002 | A9 |
| 7004 | H5 |
| 7005 | C8 |
| 7006 | D8 |
| 7007 | C7 |
| 7008 | E8 |
| 7009 | H4 |
| 7010 | E12 |
| 7017 | F3 |
| 7018 | F3 |
| 7030 | A10 |
| 7031 | B13 |
| 9002 | G13 |
| 9004 | B5 |
| 9006 | C11 |
| 9008 | A3 |
| 9009 | A3 |
| 9024 | D8 |
| 9025 | E8 |
| 9050 | G13 |
| 9055 | C10 |
| 9056 | D10 |
| 9057 | G13 |
| 9058 | E11 |
| 9060 | D13 |
| 9061 | D13 |
| F002 | C8 |
| F003 | C6 |
| F004 | D6 |
| F005 | D8 |
| F007 | F3 |
| F008 | D6 |
| F009 | D6 |
| F012 | D11 |
| F014 | F12 |
| F016 | B11 |
| F017 | D11 |
| F018 | B8 |
| F021 | A11 |
| F022 | A11 |
| F023 | F9 |
| F024 | D11 |
| F025 | D11 |
| F027 | D11 |
| F028 | C11 |
| F029 | C9 |
| F030 | C13 |
| F299 | A8 |
| F300 | F9 |
| I001 | B8 |
| I002 | B8 |
| I003 | C7 |
| I004 | D7 |
| I005 | A10 |
| I006 | B2 |
| I007 | C2 |
| I008 | C2 |
| I009 | C2 |
| I010 | D2 |
| I011 | I5 |
| I012 | D4 |
| I013 | A13 |
| I014 | A13 |
| I015 | A13 |
| I016 | A12 |
| I017 | B12 |
| I018 | E3 |
| I020 | F3 |
| I021 | E1 |
| I022 | F2 |
| I023 | F3 |
| I024 | F4 |
| I025 | F2 |
| I027 | C2 |
| I028 | G2 |
| I029 | G2 |
| I033 | F4 |
| I034 | F6 |
| I036 | F5 |
| I037 | C8 |
| I038 | C7 |
| I039 | D7 |
| I041 | B13 |
| I042 | C7 |
| I043 | A8 |
| I044 | A4 |
| I045 | C7 |
| I046 | C7 |
| I047 | A3 |
| I048 | A2 |
| I049 | A5 |
| I050 | A5 |
| I051 | E7 |
| I052 | D7 |
| I053 | A5 |
| I054 | D11 |
| I055 | E8 |
| I056 | D11 |
| I057 | D8 |
| I059 | E8 |
| I062 | A10 |
| I063 | A10 |
| I064 | B7 |
| I070 | B10 |
| I072 | C10 |
| I073 | D10 |
| I074 | D10 |
| I076 | E10 |
| I077 | E10 |
| I081 | F7 |
| I084 | F9 |
| I085 | E11 |
| I088 | E13 |
| I089 | E12 |
| I092 | F13 |
| I093 | F13 |
| I094 | G12 |
| I095 | A4 |
| I096 | A2 |
| I097 | A3 |
| I098 | A5 |
| I099 | A6 |
| I100 | A6 |
| I101 | A6 |
| I103 | C1 |
| I104 | D2 |
| I105 | E3 |
| I106 | E5 |
| I107 | C6 |
| I108 | D6 |
| I109 | C7 |
| I110 | D8 |
| I111 | C8 |
| I112 | E8 |
| I113 | E8 |
| I114 | D9 |
| I116 | C9 |
| I117 | C10 |
| I119 | C12 |
| I120 | C11 |
| I121 | E13 |
| I122 | F13 |
| I131 | I5 |
| I132 | I4 |
| I133 | I4 |
| I134 | I3 |
| I135 | H2 |
| I136 | H3 |
| I137 | H4 |
| I138 | H4 |
| I139 | G4 |
| I140 | H5 |
| I141 | H1 |
| I142 | H1 |
| I143 | H1 |
| I145 | E7 |
| I150 | C11 |
| I151 | D11 |
| I152 | D13 |
| I294 | C8 |
| I295 | H6 |
| I296 | H6 |
| c001 | G9 |
| c002 | E8 |

## Platform Supply 37”: Aux Supply

| | |
|---|---|
| 0P01 | G10 |
| 1M02 | G3 |
| 1M03 | G3 |
| 1M10 | H13 |
| 1M18 | H13 |
| 1M46 | G15 |
| 1M63 | G10 |
| 1P00 | G4 |
| 1P01 | G4 |
| 1P03 | A3 |
| 1P05 | H7 |
| 1P06 | A11 |
| 1P07 | B11 |
| 1P17 | C1 |
| 1P30 | E13 |
| 2P01 | F15 |
| 2P02 | H10 |
| 2P03 | D7 |
| 2P04 | F5 |
| 2P05 | G7 |
| 2P06 | D9 |
| 2P07 | B4 |
| 2P08 | B4 |
| 2P09 | B2 |
| 2P10 | B2 |
| 2P11 | G6 |
| 2P12 | F12 |
| 2P13 | E15 |
| 2P14 | B5 |
| 2P15 | B7 |
| 2P16 | B4 |
| 2P17 | B3 |
| 2P18 | B6 |
| 2P19 | B6 |
| 2P20 | B7 |
| 2P21 | A15 |
| 2P22 | A14 |
| 2P23 | F14 |
| 2P24 | F15 |
| 2P25 | B11 |
| 2P26 | A13 |
| 2P27 | B11 |
| 2P28 | B12 |
| 2P29 | B11 |
| 2P30 | B12 |
| 2P31 | D13 |
| 2P32 | E2 |
| 2P33 | H6 |
| 2P34 | C15 |
| 2P35 | A11 |
| 2P36 | D1 |
| 2P37 | B14 |
| 2P40 | E11 |
| 2P41 | F12 |
| 2P42 | C11 |
| 2P43 | C11 |
| 2P45 | F3 |
| 2P47 | C12 |
| 2P48 | D15 |
| 2P49 | C12 |
| 2P50 | D15 |
| 2P51 | A12 |
| 2P52 | B5 |
| 2P53 | A12 |
| 2P54 | E2 |
| 2P55 | D14 |
| 2P56 | F12 |
| 2P57 | F11 |
| 2P64 | B11 |
| 2P80 | E10 |
| 3P00 | B12 |
| 3P01 | B12 |
| 3P02 | B12 |
| 3P03 | B12 |
| 3P04 | C6 |
| 3P05 | D13 |
| 3P06 | H10 |
| 3P07 | D5 |
| 3P08 | C7 |
| 3P09 | E15 |
| 3P10 | E15 |
| 3P11 | A13 |
| 3P12 | G12 |
| 3P13 | C5 |
| 3P14 | F2 |
| 3P15 | C2 |
| 3P16 | C7 |
| 3P17 | A15 |
| 3P18 | A14 |
| 3P19 | A14 |
| 3P20 | A14 |
| 3P21 | A13 |
| 3P22 | B14 |
| 3P23 | C14 |
| 3P24 | C14 |
| 3P25 | F6 |
| 3P26 | C14 |
| 3P27 | D7 |
| 3P28 | B5 |
| 3P29 | B7 |
| 3P30 | D2 |
| 3P31 | D1 |
| 3P32 | D3 |
| 3P33 | E7 |
| 3P34 | D3 |
| 3P35 | E1 |
| 3P36 | A12 |
| 3P37 | E1 |
| 3P38 | D3 |
| 3P39 | F3 |
| 3P40 | F5 |
| 3P41 | D2 |
| 3P42 | C4 |
| 3P43 | C4 |
| 3P44 | D3 |
| 3P45 | D2 |
| 3P46 | D3 |
| 3P47 | F15 |
| 3P48 | C7 |
| 3P49 | A10 |
| 3P50 | C7 |
| 3P51 | F13 |
| 3P52 | F14 |
| 3P53 | F14 |
| 3P54 | A10 |
| 3P55 | F14 |
| 3P56 | H2 |
| 3P57 | E13 |
| 3P58 | E14 |
| 3P59 | F13 |
| 3P60 | A12 |
| 3P61 | E10 |
| 3P62 | F10 |
| 3P63 | F11 |
| 3P64 | G11 |
| 3P65 | F11 |
| 3P66 | G11 |
| 3P67 | F12 |
| 3P68 | A10 |
| 3P69 | F6 |
| 3P70 | C13 |
| 3P71 | C14 |
| 3P72 | C14 |
| 3P73 | F6 |
| 3P74 | F6 |
| 3P75 | F8 |
| 3P76 | B12 |
| 3P77 | G7 |
| 3P78 | G5 |
| 3P79 | D10 |
| 3P80 | D10 |
| 3P81 | D10 |
| 3P82 | E10 |
| 3P83 | C10 |
| 3P84 | C11 |
| 3P85 | D11 |
| 3P86 | E11 |
| 3P87 | E11 |
| 3P88 | C11 |
| 3P89 | D11 |
| 3P90 | E11 |
| 3P91 | E11 |
| 3P92 | H6 |
| 3P93 | B13 |
| 3P94 | B14 |
| 3P95 | D2 |
| 3P96 | A12 |
| 3P97 | A13 |
| 3P98 | A12 |
| 3P99 | A12 |
| 3PP1 | A10 |
| 3PP2 | E12 |
| 3PP3 | B5 |
| 3PP4 | F7 |
| 5P00 | A9 |
| 5P01 | B9 |
| 5P03 | F8 |
| 5P04 | B8 |
| 5P05 | C8 |
| 5P06 | A5 |
| 5P07 | B7 |
| 5P08 | C8 |
| 5P10 | A10 |
| 5P11 | B10 |
| 5P12 | B10 |
| 5P13 | C10 |
| 5P14 | C15 |
| 5P16 | D15 |
| 5P18 | B15 |
| 5P19 | B15 |
| 5P20 | A15 |
| 5P21 | B11 |
| 5P22 | B11 |
| 5P23 | C11 |
| 5P24 | C11 |
| 5P25 | B6 |
| 5P26 | B7 |
| 5P27 | B6 |
| 5P28 | B7 |
| 6P01 | B7 |
| 6P02 | B6 |
| 6P03 | C15 |
| 6P04 | A11 |
| 6P05 | B2 |
| 6P06 | A2 |
| 6P07 | B3 |
| 6P09 | C7 |
| 6P10 | A11 |
| 6P11 | B11 |
| 6P12 | C11 |
| 6P13 | B11 |
| 6P22 | C15 |
| 6P23 | A13 |
| 6P27 | F7 |
| 6P28 | F6 |
| 6P31 | G6 |
| 6P34 | C2 |
| 6P47 | C8 |
| 6P50 | F14 |
| 6P51 | F14 |
| 6P52 | C14 |
| 6P53 | F15 |
| 6P80 | E10 |
| 6P81 | E10 |
| 6P82 | C10 |
| 6P83 | D10 |
| 6P84 | D10 |
| 6P85 | E10 |
| 6P86 | A10 |
| 7P02 | C7 |
| 7P03 | A12 |
| 7P04 | A14 |
| 7P06 | C4 |
| 7P07 | D3 |
| 7P09 | F12 |
| 7P10 | F4 |
| 7P11 | F9 |
| 7P12 | C5 |
| 7P14 | F13 |
| 7P15 | F13 |
| 7P16 | F10 |
| 7P17 | D13 |
| 7P18 | C14 |
| 7P19 | E15 |
| 7P20 | A13 |
| 7P21 | A12 |
| 7P22 | B13 |
| 7P23 | C15 |
| 7P24 | B14 |
| 7P26 | F6 |
| 7P27 | D5 |
| 7P30 | E2 |
| 7P31 | E3 |
| 7P38 | D2 |
| 7P80 | D11 |
| 7P81 | D11 |
| 7P82 | C12 |
| 9P56 | B2 |
| 9P57 | C11 |
| 9P60 | A11 |
| 9P61 | B15 |
| 9P65 | C15 |
| 9P80 | H12 |
| 9P81 | H12 |
| FP00 | A1 |
| FP01 | B2 |
| FP02 | B1 |
| FP03 | C1 |
| FP04 | B3 |
| FP05 | B4 |
| FP06 | H3 |
| FP08 | D15 |
| FP09 | C15 |
| FP10 | H2 |
| FP11 | H3 |
| FP12 | C2 |
| FP13 | G3 |
| FP14 | G3 |
| FP15 | G3 |
| FP16 | H12 |
| FP17 | H12 |
| FP18 | H15 |
| FP19 | H15 |
| FP20 | H15 |
| FP21 | H15 |
| FP22 | H15 |
| FP23 | C3 |
| FP24 | B3 |
| FP25 | H2 |
| FP26 | A4 |
| FP27 | H14 |
| FP29 | B1 |
| FP30 | G2 |
| FP31 | G2 |
| FP32 | G2 |
| FP39 | H12 |
| FP40 | H12 |
| FP79 | E12 |
| IP01 | A3 |
| IP02 | A10 |
| IP03 | A10 |
| IP04 | B12 |
| IP05 | A14 |
| IP06 | A14 |
| IP07 | D1 |
| IP08 | C3 |
| IP09 | C3 |
| IP0A | C7 |
| IP0B | D2 |
| IP0C | C11 |
| IP0D | C13 |
| IP0E | C13 |
| IP0F | C14 |
| IP10 | A5 |
| IP11 | C7 |
| IP12 | D7 |
| IP13 | C5 |
| IP14 | E7 |
| IP15 | C7 |
| IP16 | B5 |
| IP17 | B7 |
| IP18 | B7 |
| IP19 | C7 |
| IP1A | D2 |
| IP1B | F13 |
| IP1C | A13 |
| IP1D | E2 |
| IP1E | D3 |
| IP1F | D3 |
| IP20 | D7 |
| IP23 | E13 |
| IP24 | E13 |
| IP25 | E14 |
| IP26 | F14 |
| IP27 | E8 |
| IP28 | C9 |
| IP29 | F8 |
| IP2A | D3 |
| IP30 | A14 |
| IP31 | B11 |
| IP32 | C14 |
| IP33 | B14 |
| IP35 | F7 |
| IP36 | F6 |
| IP37 | F6 |
| IP38 | F5 |
| IP39 | F7 |
| IP40 | F5 |
| IP41 | G5 |
| IP42 | A2 |
| IP44 | E2 |
| IP45 | F3 |
| IP46 | F9 |
| IP47 | C9 |
| IP48 | B8 |
| IP49 | A10 |
| IP50 | B10 |
| IP51 | B10 |
| IP52 | B11 |
| IP53 | A11 |
| IP54 | D11 |
| IP55 | D11 |
| IP56 | C11 |
| IP57 | D10 |
| IP58 | B7 |
| IP59 | E10 |
| IP5A | B14 |
| IP5B | A12 |
| IP5C | A13 |
| IP5D | E7 |
| IP5E | G3 |
| IP5F | H3 |
| IP60 | E11 |
| IP61 | C10 |
| IP62 | C10 |
| IP63 | C10 |
| IP64 | C11 |
| IP65 | B6 |
| IP66 | E10 |
| IP67 | F10 |
| IP68 | F10 |
| IP69 | F11 |
| IP6A | G5 |
| IP6B | E15 |
| IP6C | B13 |
| IP70 | F12 |
| IP71 | F10 |
| IP72 | F12 |
| IP73 | F15 |
| IP74 | E14 |
| IP75 | D10 |
| IP76 | E10 |
| IP77 | D11 |
| IP78 | C11 |
| IP79 | B6 |
| IP80 | D10 |
| IP82 | C15 |
| IP83 | A10 |
| IP84 | B10 |
| IP85 | B11 |
| IP86 | B11 |
| IP87 | C11 |
| IP88 | C11 |
| IP89 | A11 |
| IP90 | B13 |
| IP91 | B13 |
| IP92 | C8 |
| IP93 | F13 |
| IP94 | C4 |
| IP95 | A14 |
| IP96 | E14 |
| IP97 | E13 |
| IP98 | E13 |
| IP99 | F14 |


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H
A3
PLATFORM SUPPLY: AUXILIARY SUPPLY
HOT GROUND
COLD GROUND
DC-
DC+
+400V-F
VAC-L
VAC-N
VAC-RELAY
STANDBY
ON-OFF
AUDIO-PROT
-AUDIO-POWER
GND-L
+AUDIO-POWER
AUDIO-PROT 0V(0V)
DIM-CONTROL 0V1(0V4)
POWER-OK-PLATFORM 5V(0V)
ON-OFF 2V9(0V5)
STANDBY 0V(4V)
BOOST
POWER-GOOD
+5V-SW
+5V2-NF
+AUX
AL-OFF
1P03 T1.6A-250V
1P06 T5A 250V
1P07 T5A 250V
1P30 T1A-250V
5P00 BS25405-00
5P01 BS25405-00
7P02 STP6NK60Z
7P27 TEA1506AT
SPMS CTRL
VCC CTRL DEM ISENSE DRAIN NC DRIVER HVS GND
7P11 TCET1102(G)
7P12 TCET1102(G)
7P16 TS2431
7P81 TS2431
7P03 TS2431
7P06 BC817-25W
7P26 BC817-25W
7P07 BC857BW
7P31 BC857BW
7P30 BC847BW
7P10 BC847BW
7P20 BSP030
7P23 BSP030
7P18 BSP030
7P14 PHX9NQ20T
1P17 G6PA11-5VDC
B7B-EH-A
B10P-PH-K-S
B2B-PH-K
B6B-PH-K
B4B-PH-K
B11B-PH-K
HEATSINK
GND screw
+25VLP
+12V_NF
+12VAL
+12V
+8V6
+5V2
-14V5(0V)
14V5(0V)
+AUDIO-POWER
-AUDIO-POWER
GND-S
GND-L
POWER-OK-PLATFORM
GND-SSP
GNDHA
3104 313 6121.3
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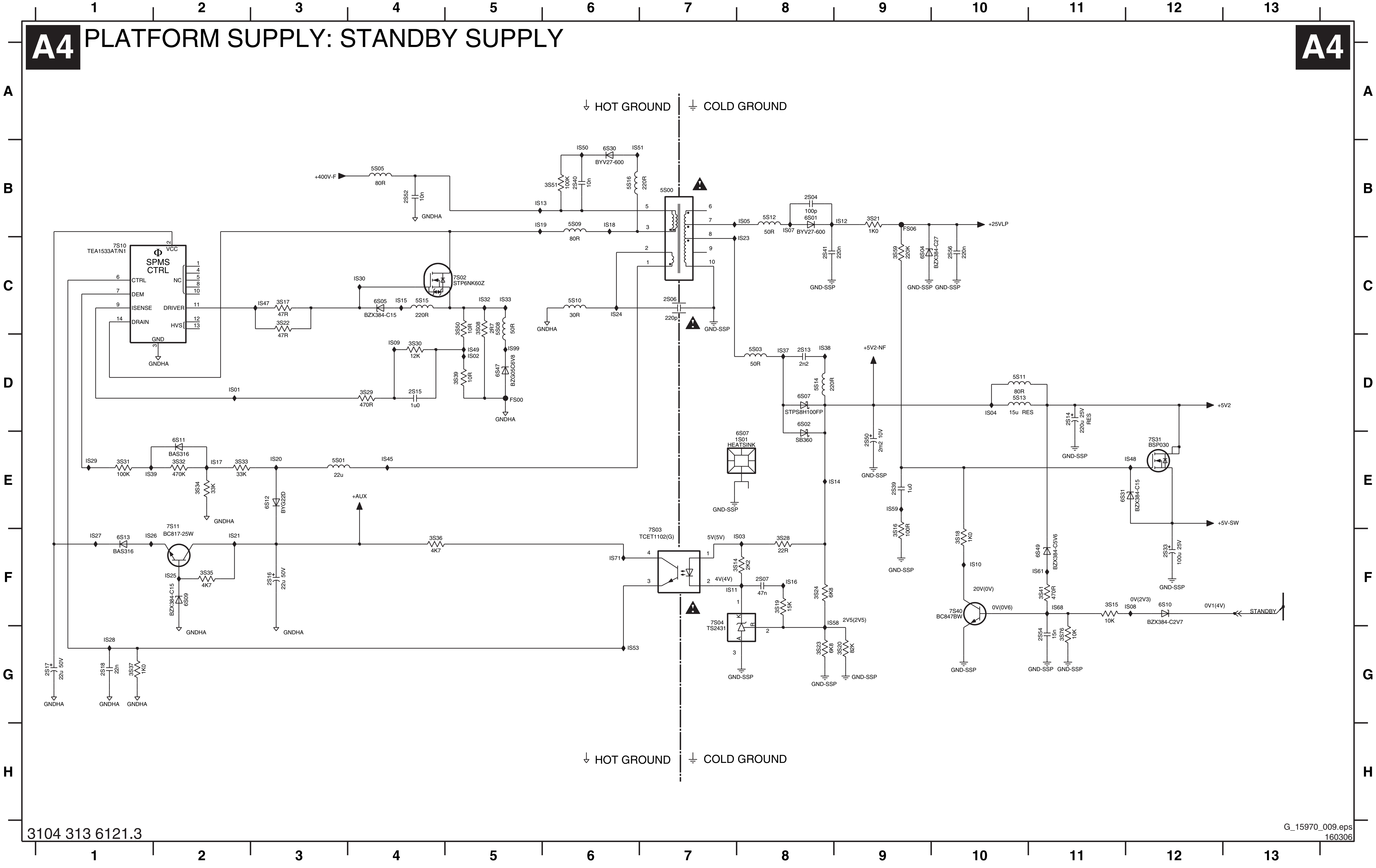
## Platform Supply 37”: Standby Supply


A4
PLATFORM SUPPLY: STANDBY SUPPLY
HOT GROUND
COLD GROUND
+400V-F
5S05 80R
2S52 10n
GNDHA
IS50
6S30 BYV27-600
IS51
3S51 100K
2S40 10n
5S16 220R
IS13
IS19
5S09 80R
IS18
5S00
7S10 TEA1533AT/N1
SPMS CTRL
VCC
CTRL
DEM
ISENSE
DRIVER
DRAIN
HVS
NC
GND
7S02 STP6NK60Z
IS30
IS47
3S17 47R
3S22 47R
6S05 BZX384-C15
IS15
5S15 220R
IS32
IS33
3S50 10R
3S08 2R7
5S08 50R
IS09
3S30 12K
IS49
IS02
IS99
3S39 10R
6S47 BZG05C6V8
FS00
IS01
3S29 470R
2S15 1u0
5S10 30R
IS24
2S06 220p
GND-SSP
IS05
5S12 50R
IS07
2S04 100p
6S01 BYV27-600
IS12
3S21 1K0
FS06
+25VLP
IS23
2S41 220n
3S59 220K
6S04 BZX384-C27
2S56 220n
5S03 50R
IS37
2S13 2n2
IS38
+5V2-NF
5S14 220R
6S07 STPS8H100FP
6S02 SB360
5S11 80R
5S13 15u RES
IS04
2S14 220u 25V RES
+5V2
2S50 2m2 10V
6S07 1S01 HEATSINK
IS14
7S31 BSP030
IS48
6S31 BZX384-C15
2S39 1u0
IS59
3S16 100R
+5V-SW
2S33 100u 25V
6S11 BAS316
IS29
3S31 100K
IS39
3S32 470K
IS17
3S33 33K
IS20
5S01 22u
IS45
3S34 33K
6S12 BYG22D
+AUX
7S11 BC817-25W
IS27
6S13 BAS316
IS26
IS21
3S36 4K7
IS25
3S35 4K7
6S09 BZX384-C15
2S16 22u 50V
7S03 TCET1102(G)
IS71
5V(5V)
IS03
3S28 22R
3S14 2K2
4V(4V)
IS11
2S07 47n
IS16
3S19 15K
7S04 TS2431
3S24 6K8
IS58
2V5(2V5)
3S23 6K8
3S20 82K
3S18 1K0
IS10
20V(0V)
7S40 BC847BW
0V(0V6)
6S49 BZX384-C5V6
IS61
3S41 470R
IS68
2S54 15n
3S76 10K
3S15 10K
0V(2V3)
IS08
6S10 BZX384-C2V7
0V1(4V)
STANDBY
IS28
IS53
2S17 22u 50V
2S18 22n
3S37 1K0
3104 313 6121.3
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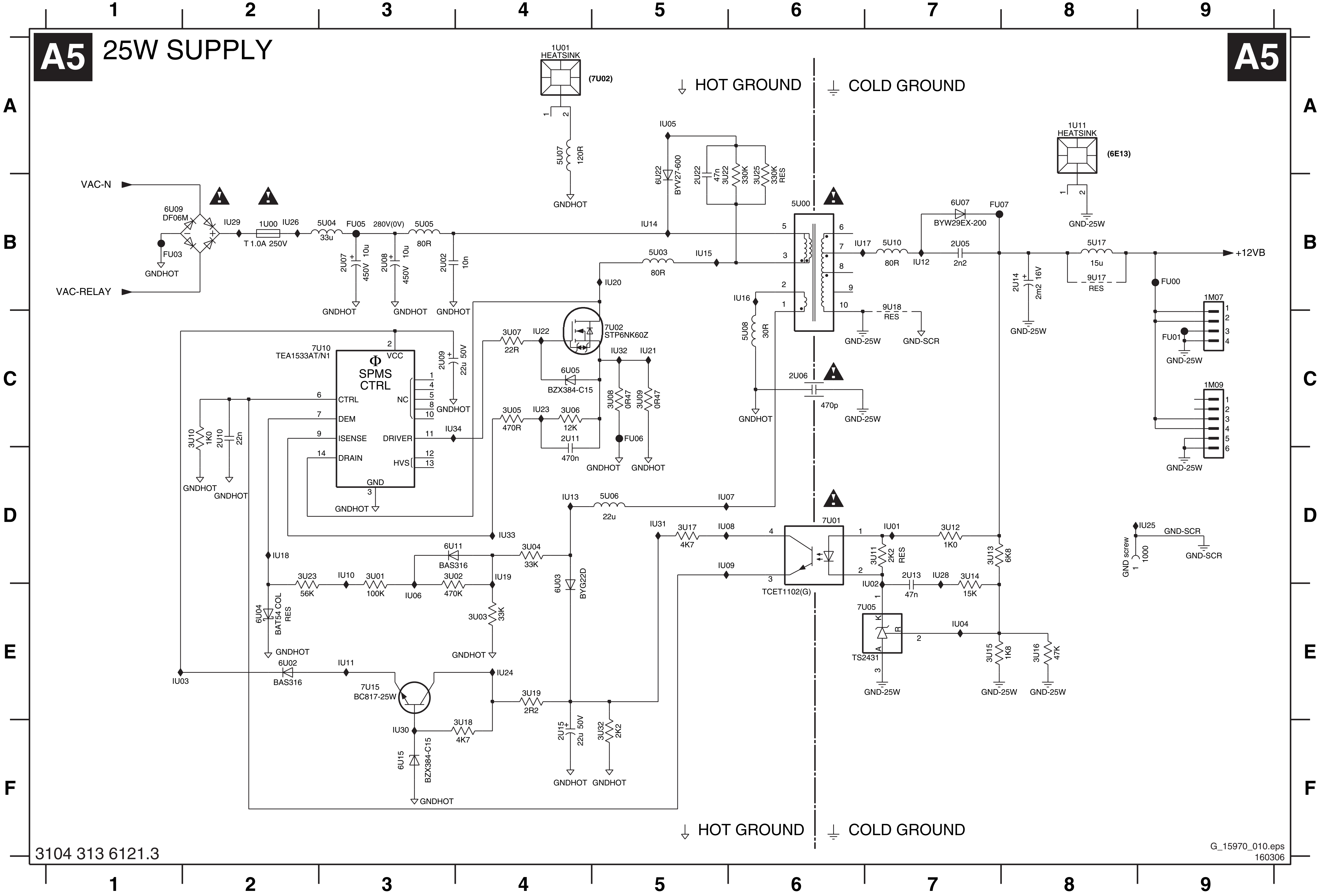
| | |
|---|---|
| 1S01 | E8 |
| 2S04 | B8 |
| 2S06 | C7 |
| 2S07 | F8 |
| 2S13 | D8 |
| 2S14 | D11 |
| 2S15 | D4 |
| 2S16 | F3 |
| 2S17 | G1 |
| 2S18 | G1 |
| 2S33 | F12 |
| 2S39 | E9 |
| 2S40 | B6 |
| 2S41 | C8 |
| 2S50 | E9 |
| 2S52 | B4 |
| 2S54 | G11 |
| 2S56 | C10 |
| 3S08 | C5 |
| 3S14 | F8 |
| 3S15 | F11 |
| 3S16 | F9 |
| 3S17 | C3 |
| 3S18 | F10 |
| 3S19 | F8 |
| 3S20 | G9 |
| 3S21 | B9 |
| 3S22 | C3 |
| 3S23 | G8 |
| 3S24 | F8 |
| 3S28 | F8 |
| 3S29 | D4 |
| 3S30 | D4 |
| 3S31 | E1 |
| 3S32 | E2 |
| 3S33 | E2 |
| 3S34 | E2 |
| 3S35 | F2 |
| 3S36 | F4 |
| 3S37 | G1 |
| 3S39 | D5 |
| 3S41 | F11 |
| 3S50 | C5 |
| 3S51 | B6 |
| 3S59 | C9 |
| 3S76 | G11 |
| 5S00 | B7 |
| 5S01 | E3 |
| 5S03 | D8 |
| 5S05 | B4 |
| 5S08 | C5 |
| 5S09 | B6 |
| 5S10 | C6 |
| 5S11 | D10 |
| 5S12 | B8 |
| 5S13 | D10 |
| 5S14 | D8 |
| 5S15 | C4 |
| 5S16 | B6 |
| 6S01 | B8 |
| 6S02 | D8 |
| 6S04 | C9 |
| 6S05 | C4 |
| 6S07 | D8 |
| 6S09 | F2 |
| 6S10 | F12 |
| 6S11 | E2 |
| 6S12 | E3 |
| 6S13 | F1 |
| 6S30 | B6 |
| 6S31 | E11 |
| 6S47 | D5 |
| 6S49 | F11 |
| 7S02 | C5 |
| 7S03 | F7 |
| 7S04 | F7 |
| 7S10 | C1 |
| 7S11 | E2 |
| 7S31 | E12 |
| 7S40 | F10 |
| FS00 | D5 |
| FS06 | B9 |
| IS01 | D2 |
| IS02 | D5 |
| IS03 | F8 |
| IS04 | D10 |
| IS05 | B8 |
| IS07 | B8 |
| IS08 | F12 |
| IS09 | D4 |
| IS10 | F10 |
| IS11 | F7 |
| IS12 | B9 |
| IS13 | B5 |
| IS14 | E9 |
| IS15 | C4 |
| IS16 | F8 |
| IS17 | E2 |
| IS18 | B6 |
| IS19 | B5 |
| IS20 | E3 |
| IS21 | F2 |
| IS23 | C8 |
| IS24 | C6 |
| IS25 | F2 |
| IS26 | F1 |
| IS27 | F1 |
| IS28 | G1 |
| IS29 | E1 |
| IS30 | C4 |
| IS32 | C5 |
| IS33 | C5 |
| IS37 | D8 |
| IS38 | D8 |
| IS39 | E1 |
| IS45 | E4 |
| IS47 | C3 |
| IS48 | E12 |
| IS49 | D5 |
| IS50 | B6 |
| IS51 | B6 |
| IS53 | G6 |
| IS58 | F8 |
| IS59 | E9 |
| IS61 | F11 |
| IS68 | F11 |
| IS71 | F6 |
| IS99 | D5 |

## Platform Supply 37”: 25W Supply


A5
25W SUPPLY
A5
HOT GROUND
COLD GROUND
1U01
HEATSINK
(7U02)
5U07
120R
GNDHOT
IU05
6U22
BYV27-600
2U22
47n
3U22
330K
3U25
330K
RES
VAC-N
VAC-RELAY
6U09
DF06M
FU03
GNDHOT
IU29
1U00
T 1.0A 250V
IU26
5U04
33u
FU05
280V(0V)
5U05
80R
2U07
10u
450V
2U08
10u
450V
2U02
10n
IU14
5U03
80R
IU15
IU20
5U00
6U07
BYW29EX-200
FU07
IU17
5U10
80R
IU12
2U05
2n2
5U17
15u
9U17
RES
+12VB
1U11
HEATSINK
(6E13)
GND-25W
2U14
2m2
16V
FU00
1M07
FU01
IU16
5U08
30R
9U18
RES
GND-SCR
2U06
470p
GNDHOT
1M09
7U10
TEA1533AT/N1
Φ
SPMS
CTRL
VCC
CTRL
DEM
ISENSE
DRIVER
DRAIN
HVS
NC
GND
2U09
22u 50V
3U07
22R
IU22
7U02
STP6NK60Z
IU32
IU21
6U05
BZX384-C15
3U08
0R47
3U09
0R47
FU06
3U05
470R
IU23
3U06
12K
2U11
470n
IU34
3U10
1K0
2U10
22n
IU13
5U06
22u
IU07
IU33
IU31
3U17
4K7
IU08
IU09
7U01
TCET1102(G)
IU01
3U12
1K0
3U11
2K2
RES
3U13
6K8
IU02
2U13
47n
IU28
3U14
15K
7U05
TS2431
IU04
3U15
1K8
3U16
47K
IU25
GND screw
1000
IU18
6U11
BAS316
3U04
33K
3U23
56K
IU10
3U01
100K
IU06
3U02
470K
IU19
6U03
BYG22D
3U03
33K
6U04
BAT54 COL
RES
6U02
BAS316
IU11
IU03
7U15
BC817-25W
IU24
3U19
2R2
IU30
3U18
4K7
6U15
BZX384-C15
2U15
22u 50V
3U32
2K2
3104 313 6121.3
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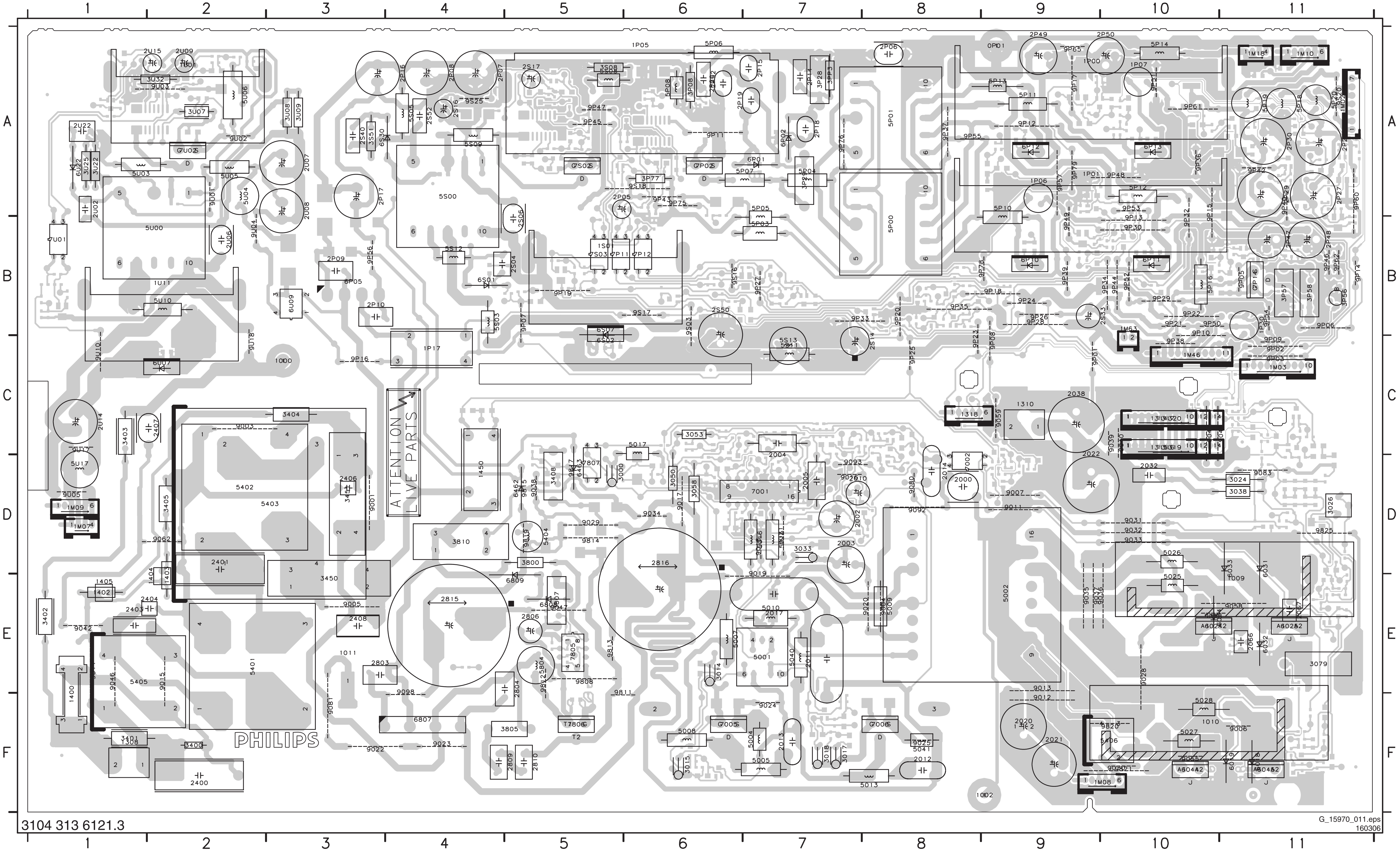
| | |
|---|---|
| 1000 | D9 |
| 1M07 | B9 |
| 1M09 | C9 |
| 1U00 | B2 |
| 1U01 | A4 |
| 1U11 | A8 |
| 2U02 | B3 |
| 2U05 | B7 |
| 2U06 | C6 |
| 2U07 | B3 |
| 2U08 | B3 |
| 2U09 | C3 |
| 2U10 | C2 |
| 2U11 | C4 |
| 2U13 | D7 |
| 2U14 | B8 |
| 2U15 | F4 |
| 2U22 | B5 |
| 3U01 | D3 |
| 3U02 | D3 |
| 3U03 | E4 |
| 3U04 | D4 |
| 3U05 | C4 |
| 3U06 | C4 |
| 3U07 | C4 |
| 3U08 | C5 |
| 3U09 | C5 |
| 3U10 | C2 |
| 3U11 | D7 |
| 3U12 | D7 |
| 3U13 | D7 |
| 3U14 | D7 |
| 3U15 | E7 |
| 3U16 | E8 |
| 3U17 | D5 |
| 3U18 | F4 |
| 3U19 | E4 |
| 3U22 | B5 |
| 3U23 | D2 |
| 3U25 | B6 |
| 3U32 | F5 |
| 5U00 | B6 |
| 5U03 | B5 |
| 5U04 | B3 |
| 5U05 | B3 |
| 5U06 | D5 |
| 5U07 | A4 |
| 5U08 | C6 |
| 5U10 | B7 |
| 5U17 | B8 |
| 6U02 | E2 |
| 6U03 | E4 |
| 6U04 | E2 |
| 6U05 | C4 |
| 6U07 | B7 |
| 6U09 | B1 |
| 6U11 | D3 |
| 6U15 | F3 |
| 6U22 | B5 |
| 7U01 | D6 |
| 7U02 | C5 |
| 7U05 | E7 |
| 7U10 | C3 |
| 7U15 | E3 |
| 9U17 | B8 |
| 9U18 | B7 |
| FU00 | B9 |
| FU01 | C9 |
| FU03 | B1 |
| FU05 | B3 |
| FU06 | C5 |
| FU07 | B7 |
| IU01 | D7 |
| IU02 | E7 |
| IU03 | E1 |
| IU04 | E7 |
| IU05 | A5 |
| IU06 | E3 |
| IU07 | D5 |
| IU08 | D5 |
| IU09 | D5 |
| IU10 | D3 |
| IU11 | E3 |
| IU12 | B7 |
| IU13 | D4 |
| IU14 | B5 |
| IU15 | B5 |
| IU16 | B6 |
| IU17 | B6 |
| IU18 | D2 |
| IU19 | D4 |
| IU20 | B5 |
| IU21 | C5 |
| IU22 | C4 |
| IU23 | C4 |
| IU24 | E4 |
| IU25 | D9 |
| IU26 | B2 |
| IU28 | D7 |
| IU29 | B2 |
| IU30 | F3 |
| IU31 | D5 |
| IU32 | C5 |
| IU33 | D4 |
| IU34 | C3 |

## Layout Power Supply 37” (Top Side)

| | |
|---|---|
| 0P01 | A9 |
| 1000 | C3 |
| 1002 | F9 |
| 1009 | E10 |
| 1010 | E9 |
| 1011 | F3 |
| 1308 | F1 |
| 1310 | C9 |
| 1314 | C10 |
| 1315 | D10 |
| 1316 | D10 |
| 1317 | C10 |
| 1318 | C8 |
| 1319 | D10 |
| 1320 | C10 |
| 1400 | F1 |
| 1402 | E1 |
| 1403 | D2 |
| 1404 | E1 |
| 1405 | E1 |
| 1450 | D4 |
| 1M02 | A11 |
| 1M03 | C11 |
| 1M07 | D1 |
| 1M08 | F10 |
| 1M09 | D1 |
| 1M10 | A11 |
| 1M18 | A11 |
| 1M46 | C10 |
| 1M63 | B10 |
| 1P00 | A8 |
| 1P01 | A8 |
| 1P05 | A5 |
| 1P06 | A9 |
| 1P07 | A10 |
| 1P17 | B4 |
| 1P30 | C11 |
| 1S01 | B5 |
| 1U01 | A1 |
| 1U11 | B1 |
| 2000 | D9 |
| 2002 | D7 |
| 2003 | D7 |
| 2004 | C7 |
| 2005 | C7 |
| 2010 | D8 |
| 2011 | E7 |
| 2012 | F8 |
| 2013 | F7 |
| 2014 | C8 |
| 2017 | D7 |
| 2020 | F9 |
| 2021 | F9 |
| 2022 | D9 |
| 2032 | D10 |
| 2038 | C10 |
| 2066 | E11 |
| 2067 | E11 |
| 2400 | F2 |
| 2401 | E2 |
| 2403 | E1 |
| 2404 | E2 |
| 2406 | D3 |
| 2407 | C1 |
| 2408 | E3 |
| 2803 | E3 |
| 2804 | E5 |
| 2806 | E5 |
| 2809 | F4 |
| 2810 | F5 |
| 2815 | D4 |
| 2816 | D6 |
| 2P05 | A5 |
| 2P06 | A8 |
| 2P07 | A4 |
| 2P08 | A4 |
| 2P09 | B3 |
| 2P10 | B3 |
| 2P14 | A7 |
| 2P15 | A7 |
| 2P16 | A3 |
| 2P17 | A3 |
| 2P18 | A7 |
| 2P19 | A7 |
| 2P20 | A6 |
| 2P27 | A11 |
| 2P28 | A11 |
| 2P29 | A11 |
| 2P30 | A11 |
| 2P47 | B11 |
| 2P48 | B11 |
| 2P49 | A9 |
| 2P50 | A10 |
| 2P52 | A6 |
| 2S04 | B5 |
| 2S06 | A5 |
| 2S14 | C8 |
| 2S16 | A4 |
| 2S17 | A5 |
| 2S33 | B9 |
| 2S40 | A3 |
| 2S50 | B6 |
| 2S52 | A4 |
| 2U02 | A1 |
| 2U06 | B2 |
| 2U07 | A3 |
| 2U08 | A3 |
| 2U09 | A2 |
| 2U14 | C1 |
| 2U15 | A2 |
| 2U22 | A1 |
| 3000 | D5 |
| 3014 | E6 |
| 3015 | F6 |
| 3017 | F7 |
| 3018 | F7 |
| 3024 | D10 |
| 3026 | D11 |
| 3033 | D7 |
| 3038 | D10 |
| 3050 | D6 |
| 3053 | C6 |
| 3058 | D6 |
| 3079 | E11 |
| 3400 | F2 |
| 3401 | F1 |
| 3402 | E1 |
| 3403 | C1 |
| 3404 | C3 |
| 3405 | D2 |
| 3408 | D5 |
| 3450 | D3 |
| 3451 | D3 |
| 3800 | D5 |
| 3805 | F5 |
| 3807 | E5 |
| 3810 | D4 |
| 3P08 | A6 |
| 3P28 | A7 |
| 3P29 | A7 |
| 3P56 | B11 |
| 3P57 | B11 |
| 3P58 | B11 |
| 3P77 | A6 |
| 3PP3 | A7 |
| 3S08 | A5 |
| 3S51 | A3 |
| 3U07 | A2 |
| 3U08 | A3 |
| 3U09 | A3 |
| 3U22 | A1 |
| 3U25 | A1 |
| 3U32 | A2 |
| 5001 | E7 |
| 5002 | D9 |
| 5004 | F7 |
| 5005 | F7 |
| 5007 | E6 |
| 5008 | F6 |
| 5009 | E8 |
| 5010 | E7 |
| 5013 | F8 |
| 5015 | D7 |
| 5016 | D6 |
| 5017 | C6 |
| 5025 | E10 |
| 5026 | D10 |
| 5027 | F10 |
| 5028 | F10 |
| 5040 | E7 |
| 5041 | F8 |
| 5401 | E3 |
| 5402 | C2 |
| 5403 | C3 |
| 5404 | D5 |
| 5405 | E2 |
| 5406 | F10 |
| 5804 | E5 |
| 5P00 | B8 |
| 5P01 | A7 |
| 5P03 | B6 |
| 5P04 | A7 |
| 5P05 | B6 |
| 5P06 | A6 |
| 5P07 | A7 |
| 5P08 | A6 |
| 5P10 | A9 |
| 5P11 | A9 |
| 5P12 | A10 |
| 5P13 | A8 |
| 5P14 | A10 |
| 5P16 | B10 |
| 5P18 | A11 |
| 5P19 | A11 |
| 5P20 | A11 |
| 5S00 | A4 |
| 5S03 | B4 |
| 5S05 | A4 |
| 5S08 | A5 |
| 5S09 | A4 |
| 5S11 | C7 |
| 5S12 | B4 |
| 5S13 | B7 |
| 5U00 | B2 |
| 5U03 | A1 |
| 5U04 | B2 |
| 5U05 | A2 |
| 5U06 | A2 |
| 5U10 | B2 |
| 5U17 | D1 |
| 6018 | F11 |
| 6019 | F11 |
| 6021 | E10 |
| 6025 | E11 |
| 6031 | D11 |
| 6032 | E11 |
| 6033 | D11 |
| 6034 | E10 |
| 6044 | F10 |
| 6045 | F11 |
| 6462 | D5 |
| 6463 | D5 |
| 6807 | F4 |
| 6808 | E5 |
| 6809 | E5 |
| 6P01 | A7 |
| 6P02 | A7 |
| 6P05 | B4 |
| 6P10 | B9 |
| 6P11 | B10 |
| 6P12 | A9 |
| 6P13 | A10 |
| 6S01 | B4 |
| 6S02 | C5 |
| 6S07 | B5 |
| 6S30 | A3 |
| 6U07 | C2 |
| 6U09 | B3 |
| 6U22 | A1 |
| 7001 | D7 |
| 7002 | D9 |
| 7005 | F6 |
| 7006 | F8 |
| 7805 | E5 |
| 7806 | F5 |
| 7807 | C5 |
| 7P02 | A6 |
| 7P11 | B5 |
| 7P12 | B6 |
| 7P14 | B11 |
| 7S02 | A5 |
| 7S03 | B5 |
| 7U01 | B1 |
| 7U02 | A2 |
| 9001 | D3 |
| 9003 | C2 |
| 9004 | E8 |
| 9005 | E3 |
| 9006 | F11 |
| 9007 | D9 |
| 9011 | D9 |
| 9012 | F9 |
| 9013 | E9 |
| 9014 | E1 |
| 9015 | E2 |
| 9016 | D7 |
| 9017 | D6 |
| 9018 | D7 |
| 9019 | D7 |
| 9020 | E8 |
| 9021 | D7 |
| 9022 | F3 |
| 9023 | F4 |
| 9024 | F7 |
| 9025 | F8 |
| 9028 | E10 |
| 9029 | D5 |
| 9030 | F10 |
| 9031 | D9 |
| 9032 | D9 |
| 9033 | D9 |
| 9034 | D6 |
| 9035 | E9 |
| 9036 | E10 |
| 9037 | E9 |
| 9038 | D5 |
| 9039 | C10 |
| 9040 | C10 |
| 9042 | E1 |
| 9043 | D11 |
| 9045 | D10 |
| 9046 | E1 |
| 9047 | E5 |
| 9055 | F10 |
| 9056 | E10 |
| 9058 | E11 |
| 9059 | C9 |
| 9062 | D2 |
| 9080 | D8 |
| 9081 | F3 |
| 9083 | D11 |
| 9092 | D8 |
| 9093 | D7 |
| 9098 | E4 |
| 9808 | E5 |
| 9811 | E5 |
| 9812 | F5 |
| 9813 | E5 |
| 9814 | D5 |
| 9815 | C5 |
| 9817 | C5 |
| 9819 | D5 |
| 9820 | F10 |
| 9821 | F10 |
| 9825 | D11 |
| 9P01 | C9 |
| 9P02 | C11 |
| 9P03 | C11 |
| 9P05 | B11 |
| 9P06 | B11 |
| 9P07 | B5 |
| 9P08 | C9 |
| 9P09 | C11 |
| 9P10 | B10 |
| 9P11 | A6 |
| 9P12 | A9 |
| 9P13 | A10 |
| 9P14 | B11 |
| 9P15 | A10 |
| 9P16 | C3 |
| 9P17 | A9 |
| 9P18 | B9 |
| 9P19 | B5 |
| 9P20 | B8 |
| 9P21 | B10 |
| 9P22 | B10 |
| 9P23 | C8 |
| 9P24 | B9 |
| 9P25 | C8 |
| 9P26 | B9 |
| 9P27 | B7 |
| 9P28 | B9 |
| 9P29 | B10 |
| 9P30 | B10 |
| 9P32 | A10 |
| 9P33 | B7 |
| 9P34 | B10 |
| 9P35 | B8 |
| 9P36 | A10 |
| 9P37 | A8 |
| 9P38 | C10 |
| 9P39 | B9 |
| 9P40 | A11 |
| 9P42 | A11 |
| 9P43 | A6 |
| 9P44 | B10 |
| 9P45 | A5 |
| 9P46 | B11 |
| 9P47 | A5 |
| 9P48 | A10 |
| 9P49 | A9 |
| 9P50 | B10 |
| 9P51 | A10 |
| 9P52 | B10 |
| 9P53 | A10 |
| 9P54 | B11 |
| 9P55 | A8 |
| 9P56 | B3 |
| 9P57 | A9 |
| 9P60 | A11 |
| 9P61 | A10 |
| 9P62 | B11 |
| 9P65 | A9 |
| 9P75 | A6 |
| 9P76 | A7 |
| 9P78 | B8 |
| 9P79 | A9 |
| 9S03 | B6 |
| 9S16 | B6 |
| 9S17 | B6 |
| 9S18 | A6 |
| 9S20 | A11 |
| 9S25 | A4 |
| 9U01 | A2 |
| 9U02 | A2 |
| 9U03 | A2 |
| 9U04 | B2 |
| 9U05 | D1 |
| 9U10 | C1 |
| 9U17 | C1 |
| 9U18 | C2 |



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# Layout Power Supply 37" (Overview Bottom Side)

| | |
|---|---|
| 1P03 | A9 |
| 1U00 | B9 |
| 2001 | E1 |
| 2006 | D5 |
| 2007 | D6 |
| 2008 | C5 |
| 2009 | D5 |
| 2015 | C5 |
| 2016 | D6 |
| 2018 | C5 |
| 2019 | D6 |
| 2023 | D1 |
| 2024 | E1 |
| 2025 | D1 |
| 2026 | C6 |
| 2027 | D6 |
| 2028 | F2 |
| 2029 | E1 |
| 2030 | E1 |
| 2031 | D1 |
| 2033 | D1 |
| 2034 | D5 |
| 2035 | D5 |
| 2036 | F1 |
| 2037 | F1 |
| 2039 | E1 |
| 2040 | D5 |
| 2041 | D1 |
| 2042 | D1 |
| 2043 | D1 |
| 2044 | F1 |
| 2045 | E1 |
| 2046 | D5 |
| 2047 | C5 |
| 2048 | D5 |
| 2049 | E1 |
| 2050 | C6 |
| 2051 | D1 |
| 2052 | D1 |
| 2053 | D1 |
| 2060 | F6 |
| 2061 | E6 |
| 2062 | F5 |
| 2063 | D5 |
| 2064 | D5 |
| 2065 | F5 |
| 2071 | F5 |
| 2072 | F6 |
| 2077 | C4 |
| 2402 | D3 |
| 2409 | C1 |
| 2802 | E7 |
| 2805 | E7 |
| 2807 | E7 |
| 2808 | F7 |
| 2P01 | B2 |
| 2P02 | A2 |
| 2P03 | A6 |
| 2P04 | A6 |
| 2P11 | A6 |
| 2P12 | B5 |
| 2P13 | B1 |
| 2P21 | A1 |
| 2P22 | A1 |
| 2P23 | B1 |
| 2P24 | B2 |
| 2P25 | A2 |
| 2P26 | A1 |
| 2P31 | A3 |
| 2P32 | B4 |
| 2P33 | A6 |
| 2P34 | A1 |
| 2P35 | A1 |
| 2P36 | B4 |
| 2P37 | A1 |
| 2P40 | A3 |
| 2P41 | B5 |
| 2P42 | B2 |
| 2P43 | A3 |
| 2P45 | B3 |
| 2P51 | A1 |
| 2P53 | A1 |
| 2P54 | B4 |
| 2P55 | A2 |
| 2P56 | B5 |
| 2P57 | B5 |
| 2P64 | B3 |
| 2P80 | A3 |
| 2S07 | B7 |
| 2S13 | C7 |
| 2S15 | A7 |
| 2S18 | A7 |
| 2S39 | B2 |
| 2S41 | B8 |
| 2S54 | B6 |
| 2S56 | B1 |
| 2U05 | C10 |
| 2U10 | A10 |
| 2U11 | A10 |
| 2U13 | B11 |
| 3001 | D4 |
| 3002 | D5 |
| 3003 | D5 |
| 3004 | D5 |
| 3005 | D5 |
| 3006 | D5 |
| 3007 | D6 |
| 3008 | D6 |
| 3009 | D6 |
| 3010 | D5 |
| 3011 | D6 |
| 3012 | C5 |
| 3013 | C5 |
| 3016 | F6 |
| 3019 | F5 |
| 3020 | F5 |
| 3021 | C5 |
| 3022 | E1 |
| 3023 | E1 |
| 3025 | E1 |
| 3027 | C6 |
| 3028 | F5 |
| 3029 | F6 |
| 3030 | E1 |
| 3031 | B6 |
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| 3034 | E1 |
| 3035 | F6 |
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| 3037 | D1 |
| 3039 | F1 |
| 3040 | D1 |
| 3041 | E1 |
| 3042 | F1 |
| 3043 | D5 |
| 3044 | F1 |
| 3045 | C5 |
| 3046 | C5 |
| 3047 | C4 |
| 3048 | C5 |
| 3049 | F1 |
| 3051 | F1 |
| 3052 | D1 |
| 3054 | F1 |
| 3055 | D4 |
| 3056 | C5 |
| 3057 | D1 |
| 3059 | F1 |
| 3060 | C6 |
| 3061 | C6 |
| 3064 | C6 |
| 3065 | D6 |
| 3066 | D5 |
| 3067 | D4 |
| 3068 | C4 |
| 3069 | D3 |
| 3070 | C4 |
| 3071 | C4 |
| 3072 | D1 |
| 3073 | D1 |
| 3074 | C1 |
| 3075 | D4 |
| 3076 | C1 |
| 3077 | C1 |
| 3078 | C1 |
| 3089 | C4 |
| 3100 | C5 |
| 3406 | D7 |
| 3410 | D7 |
| 3413 | D3 |
| 3422 | D3 |
| 3423 | D3 |
| 3424 | D3 |
| 3425 | D3 |
| 3430 | C1 |
| 3431 | C1 |
| 3432 | C1 |
| 3433 | C1 |
| 3802 | E7 |
| 3803 | E7 |
| 3804 | E7 |
| 3806 | E7 |
| 3999 | E8 |
| 3P00 | A1 |
| 3P01 | A1 |
| 3P02 | A1 |
| 3P03 | A1 |
| 3P04 | A6 |
| 3P05 | A3 |
| 3P06 | A2 |
| 3P07 | A6 |
| 3P09 | B1 |
| 3P10 | B1 |
| 3P11 | A1 |
| 3P12 | B5 |
| 3P14 | B3 |
| 3P15 | B8 |
| 3P16 | A6 |
| 3P17 | A1 |
| 3P18 | A1 |
| 3P19 | A1 |
| 3P20 | A1 |
| 3P21 | A1 |
| 3P22 | A1 |
| 3P23 | A1 |
| 3P24 | A2 |
| 3P25 | A7 |
| 3P26 | A2 |
| 3P27 | A6 |
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| 3P31 | B4 |
| 3P32 | B4 |
| 3P33 | A6 |
| 3P34 | B4 |
| 3P35 | B4 |
| 3P36 | A1 |
| 3P37 | B4 |
| 3P38 | B4 |
| 3P39 | B3 |
| 3P40 | A6 |
| 3P41 | B4 |
| 3P42 | B4 |
| 3P43 | B4 |
| 3P44 | B4 |
| 3P45 | B4 |
| 3P46 | B4 |
| 3P47 | B2 |
| 3P48 | A6 |
| 3P49 | A2 |
| 3P50 | A6 |
| 3P51 | B1 |
| 3P52 | B2 |
| 3P53 | B1 |
| 3P54 | A2 |
| 3P55 | B1 |
| 3P59 | B1 |
| 3P60 | A1 |
| 3P61 | B6 |
| 3P62 | B6 |
| 3P63 | B5 |
| 3P64 | B5 |
| 3P65 | B5 |
| 3P66 | B5 |
| 3P67 | B5 |
| 3P68 | A2 |
| 3P69 | A6 |
| 3P70 | A3 |
| 3P71 | A3 |
| 3P72 | A2 |
| 3P73 | A6 |
| 3P74 | A6 |
| 3P75 | B7 |
| 3P76 | A1 |
| 3P78 | A7 |
| 3P79 | A3 |
| 3P80 | A3 |
| 3P81 | A2 |
| 3P82 | A3 |
| 3P83 | B3 |
| 3P84 | B2 |
| 3P85 | B2 |
| 3P86 | B2 |
| 3P87 | B2 |
| 3P88 | B2 |
| 3P89 | B3 |
| 3P90 | B3 |
| 3P91 | B2 |
| 3P92 | A6 |
| 3P93 | A1 |
| 3P94 | A1 |
| 3P95 | B4 |
| 3P96 | A1 |
| 3P97 | A1 |
| 3P98 | B1 |
| 3P99 | B1 |
| 3PP1 | A2 |
| 3PP2 | B4 |
| 3PP4 | A6 |
| 3S14 | B7 |
| 3S15 | B6 |
| 3S16 | B2 |
| 3S17 | A7 |
| 3S18 | B6 |
| 3S19 | B7 |
| 3S20 | B7 |
| 3S21 | B7 |
| 3S22 | A7 |
| 3S23 | B7 |
| 3S24 | B7 |
| 3S28 | B7 |
| 3S29 | A7 |
| 3S30 | A7 |
| 3S31 | A7 |
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| 3S33 | A8 |
| 3S34 | A7 |
| 3S35 | A7 |
| 3S36 | B7 |
| 3S37 | A7 |
| 3S39 | A7 |
| 3S41 | B6 |
| 3S50 | A7 |
| 3S59 | B7 |
| 3S76 | B6 |
| 3U01 | A10 |
| 3U02 | A10 |
| 3U03 | A10 |
| 3U04 | A10 |
| 3U05 | A10 |
| 3U06 | A10 |
| 3U10 | A10 |
| 3U11 | B11 |
| 3U12 | B11 |
| 3U13 | B11 |
| 3U14 | B11 |
| 3U15 | B11 |
| 3U16 | B11 |
| 3U17 | A11 |
| 3U18 | A11 |
| 3U19 | A11 |
| 3U23 | A10 |
| 5P21 | B3 |
| 5P22 | A2 |
| 5P23 | B2 |
| 5P24 | A3 |
| 5P25 | A5 |
| 5P26 | A5 |
| 5P27 | A5 |
| 5P28 | A5 |
| 5S01 | A8 |
| 5S10 | A8 |
| 5S14 | C7 |
| 5S15 | A7 |
| 5S16 | A8 |
| 5U07 | A10 |
| 5U08 | A10 |
| 6001 | D6 |
| 6002 | F5 |
| 6003 | F6 |
| 6004 | D5 |
| 6005 | D5 |
| 6006 | C5 |
| 6007 | E6 |
| 6008 | F5 |
| 6009 | D5 |
| 6010 | C5 |
| 6011 | C5 |
| 6012 | E4 |
| 6013 | E6 |
| 6014 | C4 |
| 6015 | C4 |
| 6017 | D5 |
| 6020 | D5 |
| 6022 | D6 |
| 6023 | D1 |
| 6024 | C1 |
| 6026 | D1 |
| 6027 | F6 |
| 6028 | F5 |
| 6030 | F1 |
| 6051 | C5 |
| 6054 | F1 |
| 6055 | C1 |
| 6056 | C1 |
| 6077 | D5 |
| 6078 | E5 |
| 6079 | D6 |
| 6080 | C6 |
| 6081 | D5 |
| 6082 | D6 |
| 6083 | D1 |
| 6154 | D7 |
| 6155 | D7 |
| 6460 | C8 |
| 6461 | C8 |
| 6464 | D7 |
| 6465 | D6 |
| 6466 | D7 |
| 6467 | D7 |
| 6468 | C7 |
| 6469 | C3 |
| 6P03 | A1 |
| 6P04 | A1 |
| 6P06 | B9 |
| 6P07 | B9 |
| 6P09 | A6 |
| 6P22 | A2 |
| 6P23 | A1 |
| 6P27 | A6 |
| 6P28 | A6 |
| 6P31 | A6 |
| 6P34 | B8 |
| 6P47 | A6 |
| 6P50 | B2 |
| 6P51 | B1 |
| 6P52 | A3 |
| 6P53 | B2 |
| 6P80 | A3 |
| 6P81 | A3 |
| 6P82 | B3 |
| 6P83 | B2 |
| 6P84 | B2 |
| 6P85 | A2 |
| 6P86 | A2 |
| 6S04 | B7 |
| 6S05 | A7 |
| 6S09 | A7 |
| 6S10 | B5 |
| 6S11 | A7 |
| 6S12 | A8 |
| 6S13 | A7 |
| 6S31 | B2 |
| 6S47 | A7 |
| 6S49 | B6 |
| 6U02 | A11 |
| 6U03 | A10 |
| 6U04 | A11 |
| 6U05 | A10 |
| 6U11 | A10 |
| 6U15 | A11 |
| 7004 | C4 |
| 7007 | F6 |
| 7008 | F5 |
| 7009 | D4 |
| 7010 | D1 |
| 7013 | C1 |
| 7014 | C1 |
| 7017 | D6 |
| 7018 | C6 |
| 7030 | E1 |
| 7031 | F1 |
| 7801 | C3 |
| 7802 | D3 |
| 7P03 | A1 |
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| 7P06 | B4 |
| 7P07 | B4 |
| 7P09 | B5 |
| 7P10 | B4 |
| 7P15 | B1 |
| 7P16 | B5 |
| 7P17 | A3 |
| 7P18 | A3 |
| 7P19 | B1 |
| 7P20 | A1 |
| 7P21 | A1 |
| 7P22 | A1 |
| 7P23 | A2 |
| 7P24 | A1 |
| 7P26 | A7 |
| 7P27 | A6 |
| 7P30 | B4 |
| 7P31 | B4 |
| 7P38 | B4 |
| 7P80 | A3 |
| 7P81 | B3 |
| 7P82 | A2 |
| 7S04 | B7 |
| 7S10 | A7 |
| 7S11 | A7 |
| 7S31 | B2 |
| 7S40 | B6 |
| 7U05 | B11 |
| 7U10 | A11 |
| 7U15 | A11 |
| 9002 | E1 |
| 9008 | D7 |
| 9009 | D6 |
| 9041 | C3 |
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| 9051 | D1 |
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| 9053 | C4 |
| 9054 | C4 |
| 9057 | E1 |
| 9060 | D1 |
| 9061 | D1 |
| 9070 | C2 |
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| 9072 | C1 |
| 9073 | C1 |
| 9082 | C1 |
| 9085 | D1 |
| 9806 | E7 |
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| 9818 | C7 |
| 9P04 | C1 |
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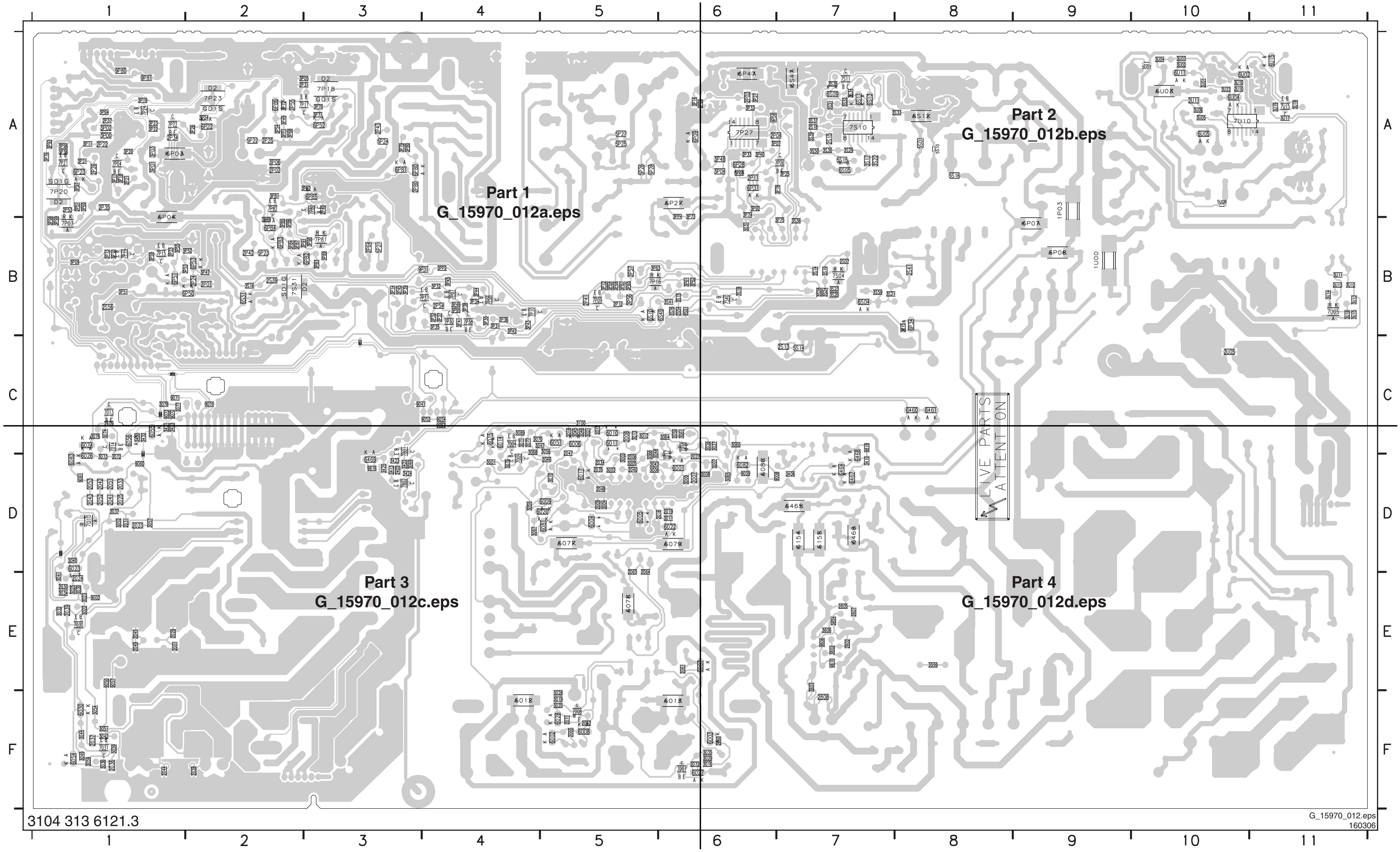

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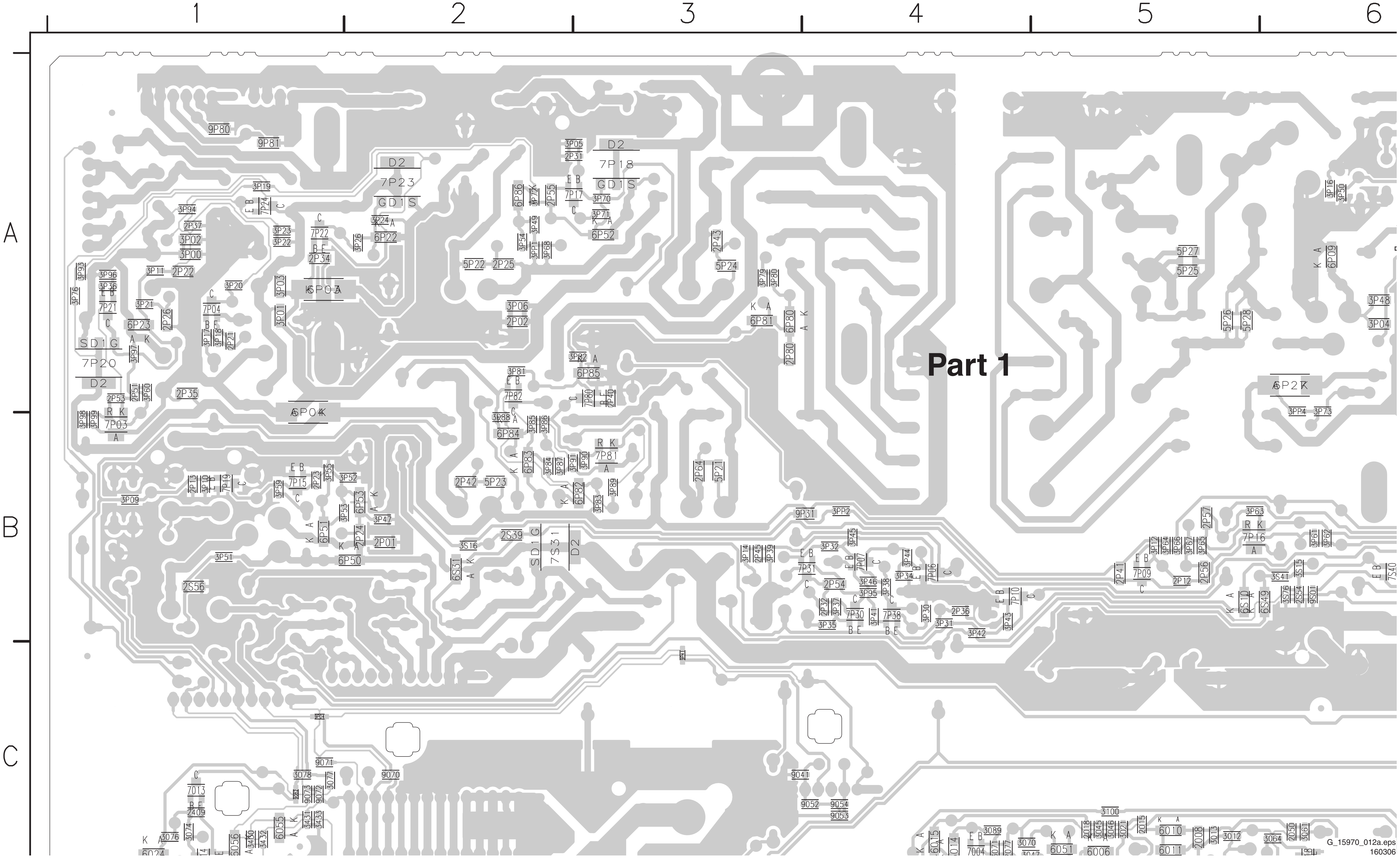
1
2
3
4
5
6
A
B
C
Part 1
9P80
9P81
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7P23
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2P12
2P56
3P63
7P16
3P61
3P62
3S41
3S15
6S10
6S49
3S26
2S54
9S01
7S40
9071
3078
3077
9073
9072
9070
7013
2409
3431
3433
3076
3074
6024
6056
3430
3432
6055
9041
9052
9054
9053
3100
3089
3070
3045
3046
3021
2015
6010
2008
3013
3012
3064
2050
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6015
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7004
6051
6006
6011
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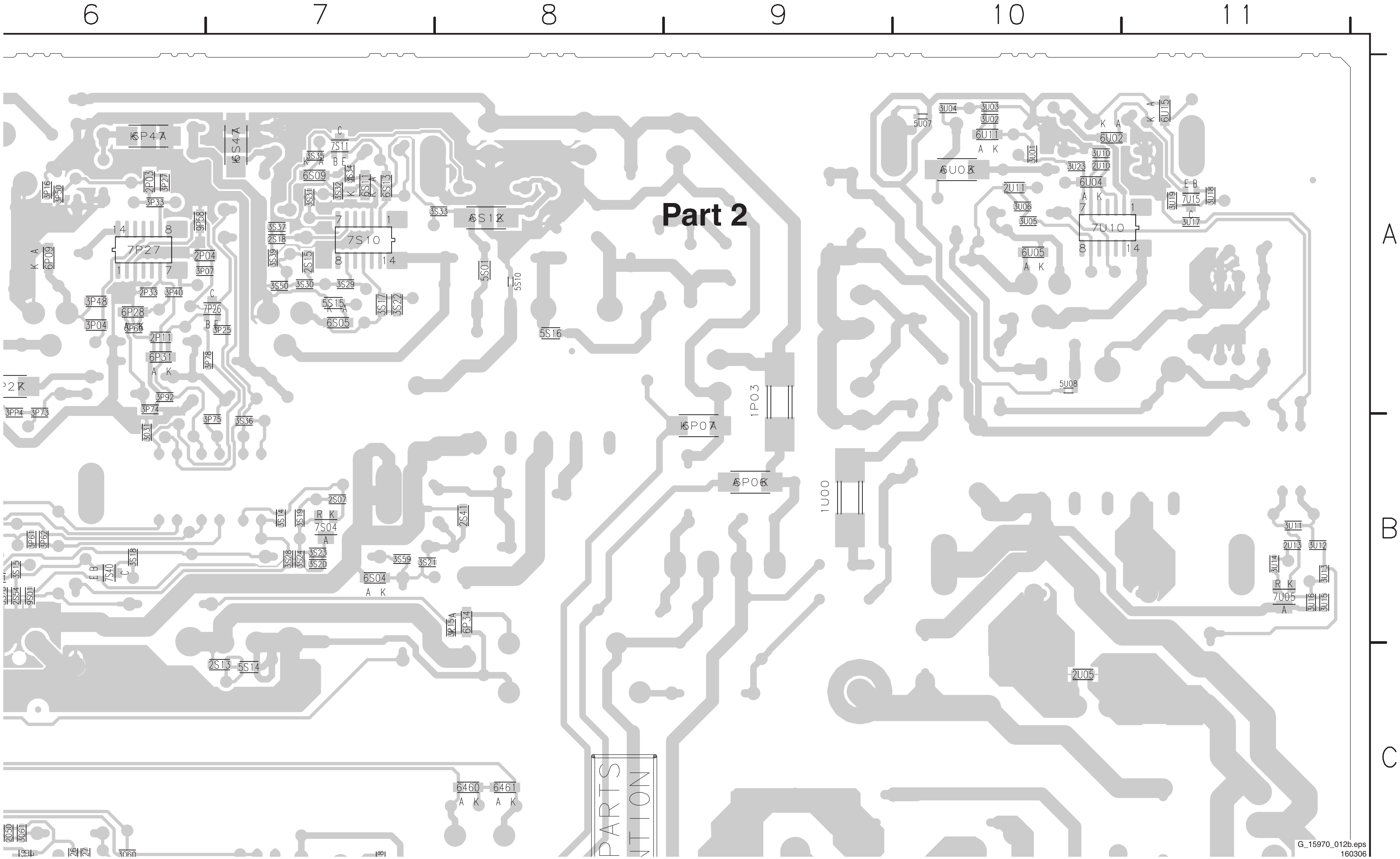
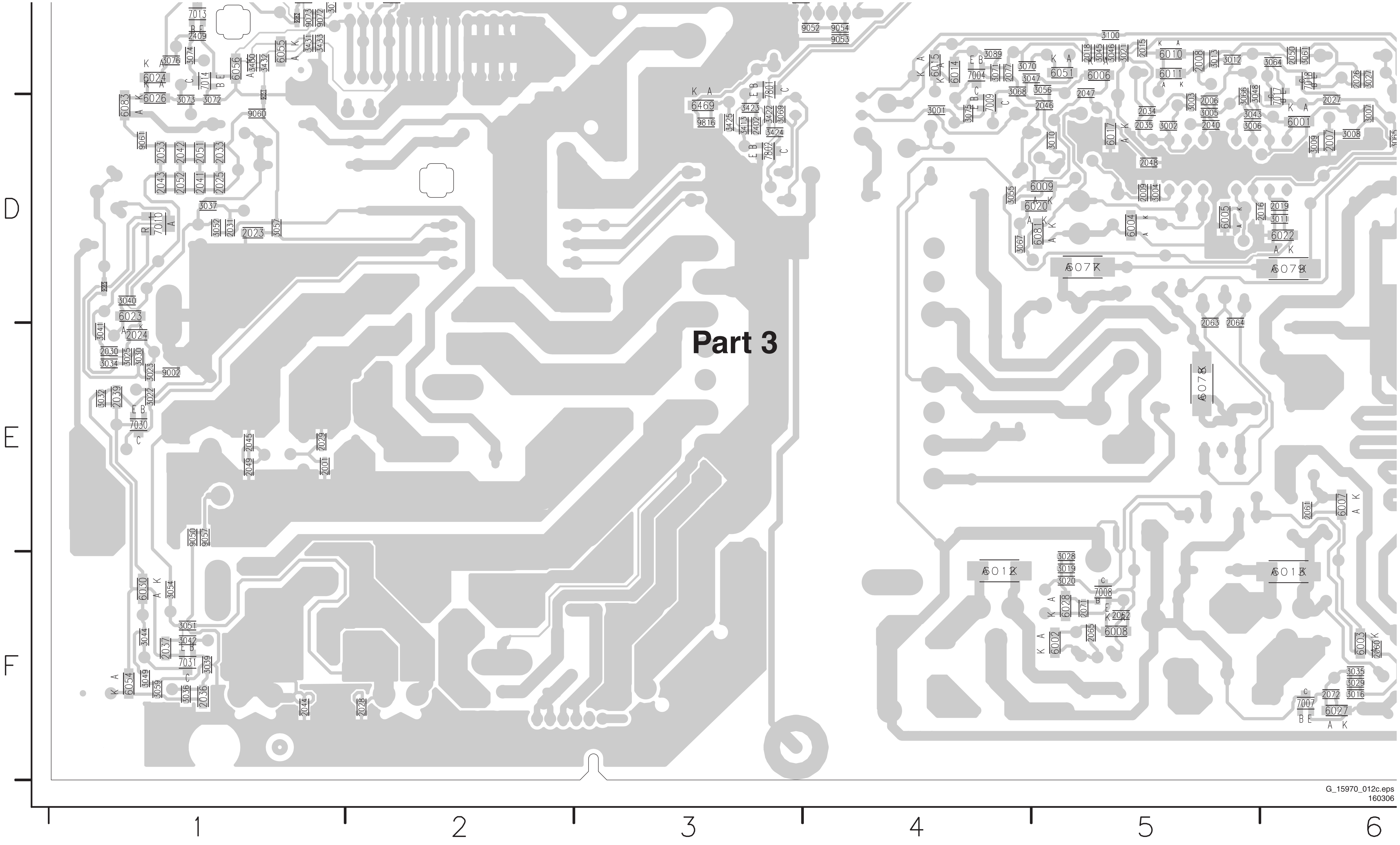
G_15970_012a.eps
160306

## Layout Power Supply 37” (Part 2 Bottom Side)


6
7
8
9
10
11
A
B
C
Part 2
6P47
6S47
2P03
3P27
3P33
3P16
3P50
9P58
7P27
2P04
3P07
6P09
2P33
3P40
7P26
3P25
3P48
6P28
3P04
3P6B
2P11
6P31
3P78
3P92
3P74
3031
3P75
3S36
3PP4
3P73
7S11
3S35
6S09
3S34
6S11
6S13
3S32
3S31
3S37
2S18
7S10
3S39
2S15
3S50
3S30
3S29
5S15
6S05
3S17
3S22
3S33
6S12
5S01
5S10
5S16
1P03
6P07
6P08
1U00
3U04
3U03
3U02
5U07
6U11
6U03
3U01
6U02
3U10
3U23
2U10
2U11
6U04
3U06
3U05
3U19
7U15
3U18
3U17
7U10
6U05
6U15
5U08
2S07
3S14
3S19
7S04
2S41
3P61
3P62
3S18
3S15
7S40
3S28
3S24
3S23
3S20
3S59
3S21
6S04
3S15A
6P34
2S13
5S14
2U05
3U11
2U13
3U12
3U14
3U13
7U05
3U16
3U15
6460
6461
2050
3061
3060
PARTS
NTION

G_15970_012b.eps
160306

## Layout Power Supply 37” (Part 3 Bottom Side)


Part 3
D
E
F
1
2
3
4
5
6
7013
2409
3076
3074
6024
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6083
3073
3072
7014
6056
3430
3432
6055
3431
3433
9073
9072
9060
9061
2053
2042
2051
2033
2043
2052
2041
2025
3037
7010
3052
2031
2023
3057
3040
6023
3041
2024
2030
3025
3034
3030
3023
9002
3032
2039
3022
7030
2045
2049
2029
2001
9050
9057
6030
3054
3051
3044
2037
3042
7031
3039
6054
3049
3059
3036
2036
2044
2028
9052
9054
9053
6469
9816
3425
3423
7801
3413
2402
3422
3069
3424
7802
6015
6014
7004
3089
3071
2077
3070
3047
6051
3068
3056
2046
6006
2047
3100
2018
3045
3046
3021
2015
6010
6011
2008
3013
3012
3064
2050
3061
7018
2026
3027
3001
3075
7009
2034
2035
3002
3003
2006
3005
2040
3066
3048
7017
3043
3006
6001
2027
3007
3010
6017
2048
3009
2007
3008
6009
3055
6020
3067
6081
6004
2009
3004
6005
2016
2019
3011
6022
6077
6079
2063
2064
6078
2061
6007
6012
3028
3019
3020
7008
6028
2071
2062
6008
2065
6002
6013
6003
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3016
7007
2072
6027
G_15970_012c.eps
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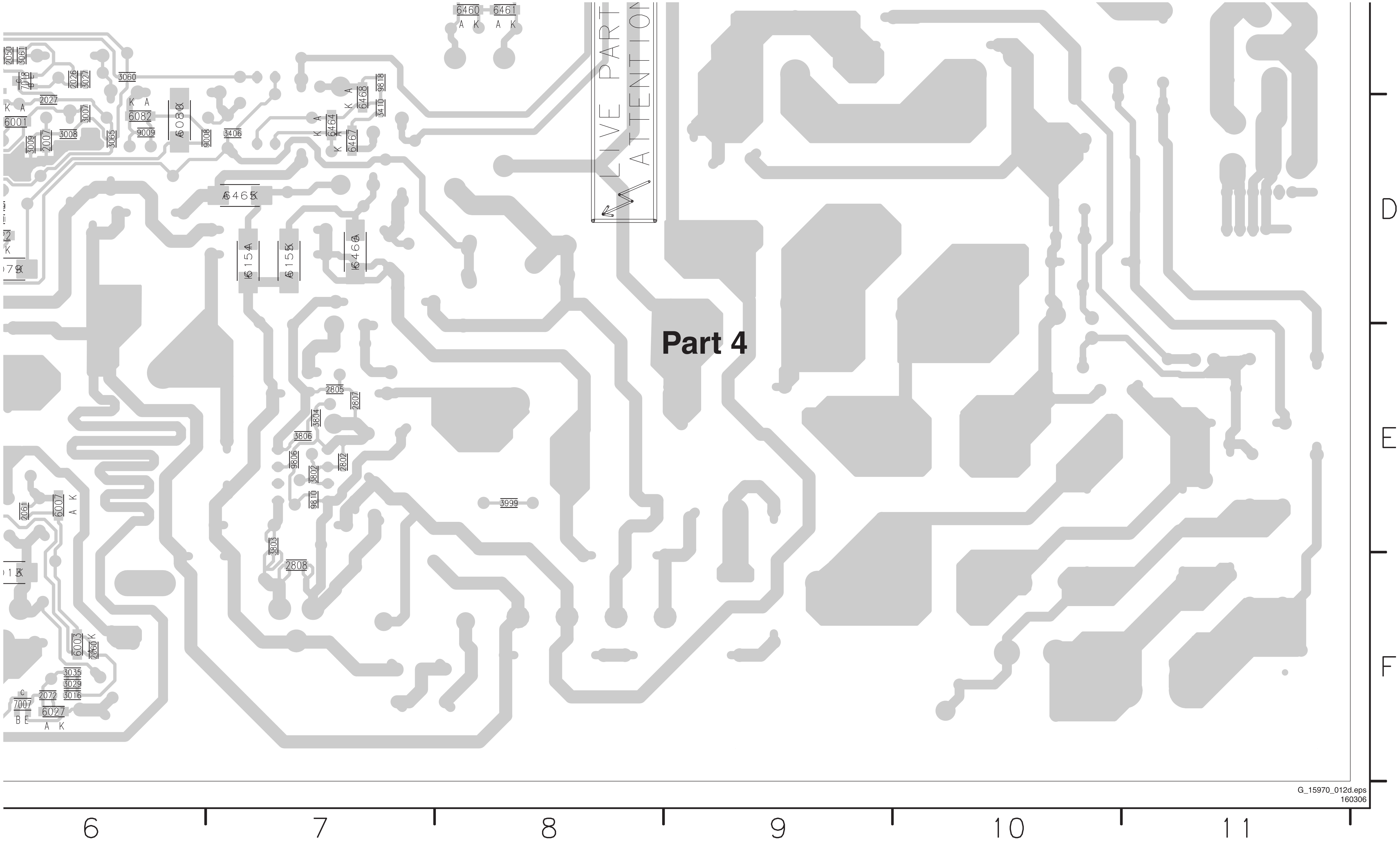
## Layout Power Supply 37” (Part 4 Bottom Side)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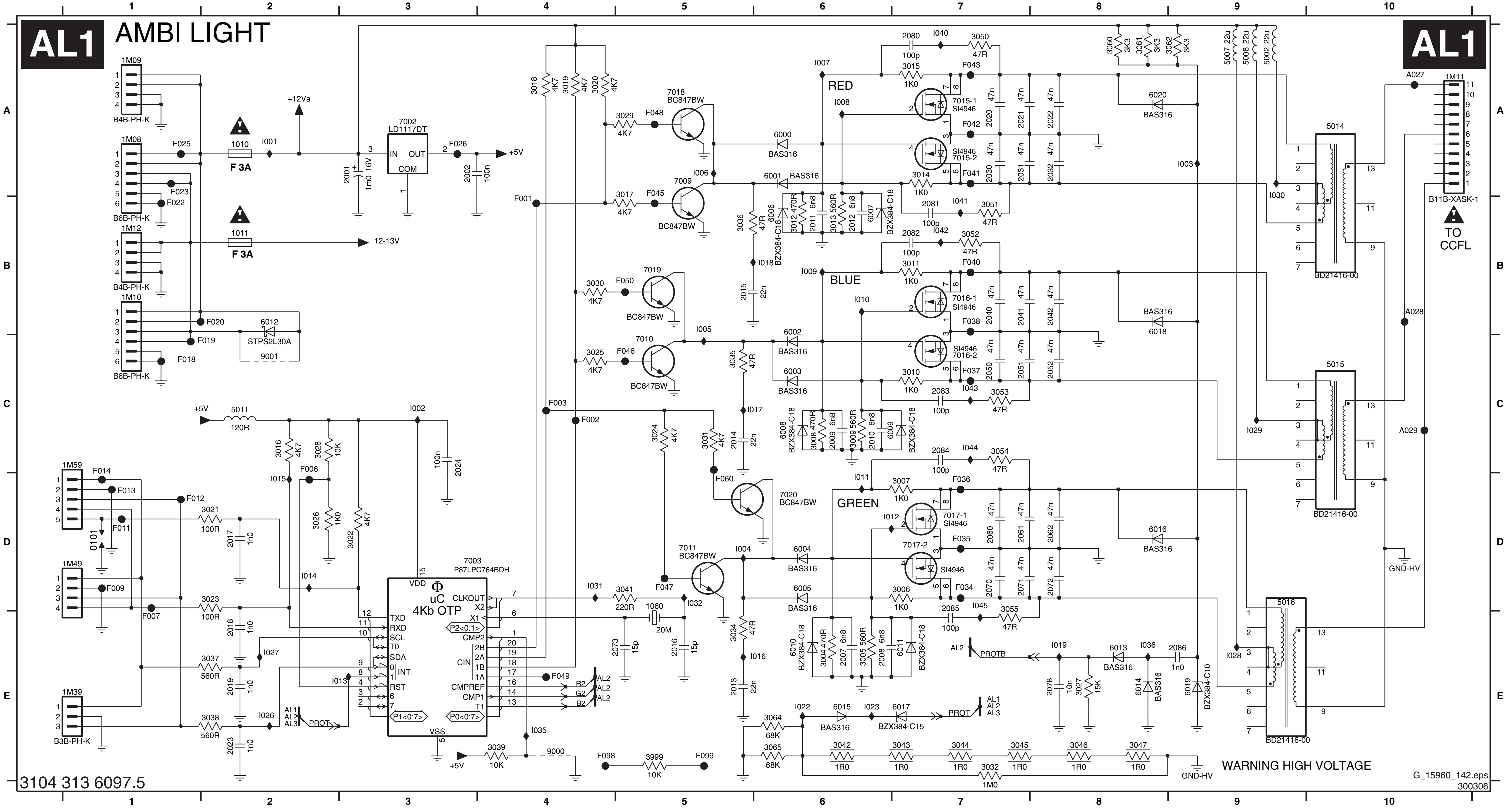
6461
A K A K
LIVE PART
ATTENTION
2050
3061
7018
2026
3027
3060
2027
3007
K A
6001
6082
6080
3009
2007
3008
3065
9009
9008
3406
6464
6467
6468
3410
9818
6465
6154
6155
6466
Part 4
2805
2807
3804
3806
9806
3802
2802
9810
3999
3803
2808
2061
6007
A K
6003
2060
3035
3029
3016
2072
7007
6027
B E
A K
D
E
F
6
7
8
9
10
11

G_15970_012d.eps
160306

## Ambi Light

0101 D1
1010 A2
1011 B2
1060 D5
1M08 A1
1M09 A1
1M10 B1
1M11 A10
1M12 B1
1M39 E1
1M49 D1
1M59 C1
2001 A3
2002 A3
2007 E6
2008 E6
2009 C6
2010 C6
2011 B6
2012 B6
2013 E5
2014 C5
2015 B5
2016 E5
2017 D2
2018 E2
2019 E2
2020 A7
2021 A7
2022 A8
2023 E2
2024 C3
2030 A7
2031 A7
2032 A8
2040 B7
2041 B7
2042 B8
2050 C7
2051 C7
2052 C8
2060 D7
2061 D7
2062 D8
2070 D7
2071 D7
2072 D8
2073 E5
2078 E8
2080 A7
2081 B7
2082 B7
2083 C7
2084 C7
2085 D7
2086 E9
3004 E6
3005 E6
3006 D7
3007 D7
3008 C6
3009 C6
3010 C7
3011 B7
3012 B6
3013 B6
3014 A7
3015 A7
3016 C2
3017 B5
3018 A4
3019 A4
3020 A4
3021 D2
3022 D3
3023 D2
3024 C5
3025 C4
3026 D2
3027 E8
3028 C2
3029 A5
3030 B4
3031 C5
3032 E7
3034 E5
3035 C5
3036 B5
3037 E2
3038 E2
3039 E4
3041 D5
3042 E6
3043 E7
3044 E7
3045 E7
3046 E8
3047 E8
3050 A7
3051 B7
3052 B7
3053 C7
3054 C7
3055 E7
3060 A8
3061 A8
3062 A9
3064 E6
3065 E6
3999 E5
5002 A9
5007 A9
5008 A9
5011 C2
5014 A10
5015 C10
5016 D9
6000 A6
6001 A6
6002 B6
6003 C6
6004 D6
6005 D6
6006 B6
6007 B6
6008 C6
6009 C6
6010 E6
6011 E7
6012 B2
6013 E8
6014 E8
6015 E6
6016 D8
6017 E7
6018 B8
6019 E9
6020 A8
7002 A3
7003 D3
7009 A5
7010 C5
7011 D5
7015-1 A7
7015-2 A7
7016-1 B7
7016-2 C7
7017-1 D7
7017-2 D7
7018 A5
7019 B5
7020 D6
9000 E4
9001 C2
A027 A10
A028 B10
A029 C10
F001 B4
F002 C4
F003 C4
F006 C2
F007 E1
F009 D1
F011 D1
F012 D1
F013 D1
F014 D1
F018 C1
F019 C2
F020 B2
F022 B1
F023 A1
F025 A1
F026 A3
F034 D7
F035 D7
F036 D7
F037 C7
F038 B7
F040 B7
F041 A7
F042 A7
F043 A7
F045 A5
F046 C5
F047 D5
F048 A5
F049 E4
F050 B5
F060 D5
F098 E4
F099 E5
I001 A2
I002 C3
I003 A9
I004 D5
I005 B5
I006 A5
I007 A6
I008 A6
I009 B6
I010 B6
I011 D6
I012 D6
I013 E3
I014 D2
I015 D2
I016 E6
I017 C6
I018 B6
I019 E8
I022 E6
I023 E6
I026 E2
I027 E2
I028 E9
I029 C9
I030 A9
I031 D4
I032 D5
I035 E4
I036 E8
I040 A7
I041 B7
I042 B7
I043 C7
I044 C7
I045 D7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AMBI LIGHT
1M09
B4B-PH-K
1M08
B6B-PH-K
1M12
B4B-PH-K
1M10
B6B-PH-K
1010
F 3A
1011
F 3A
+12Va
12-13V
7002
LD1117DT
IN
OUT
COM
+5V
6012
STPS2L30A
9001
5011
120R
1M59
1M49
1M39
B3B-PH-K
0101
7003
P87LPC764BDH
VDD
Φ
uC
4Kb OTP
TXD
RXD
SCL
T0
SDA
INT
RST
CLKOUT
X2
X1
CMP2
CIN
CMPREF
CMP1
T1
VSS
1060
20M
PROT
AL1
AL2
AL3
R2
G2
B2
9000
7018
BC847BW
7009
BC847BW
7019
BC847BW
7010
BC847BW
7020
BC847BW
7011
BC847BW
RED
BLUE
GREEN
7015-1
SI4946
7015-2
7016-1
7016-2
7017-1
7017-2
BAS316
BZX384-C18
BZX384-C15
BZX384-C10
PROTB
5014
5015
5016
BD21416-00
1M11
B11B-XASK-1
TO
CCFL
GND-HV
WARNING HIGH VOLTAGE
3104 313 6097.5
G_15960_142.eps
300306
1
2
3
4
5
6
7
8
9
10
A
B
C
D
E

## Ambi Light

1M13 A10
2101 A3
2102 A2
2107 E5
2108 E5
2109 D5
2110 D6
2111 B5
2112 B6
2113 E4
2114 D4
2115 B5
2120 A6
2121 A7
2122 A7
2130 A6
2131 A7
2132 A7
2140 C7
2141 C7
2142 C7
2150 C7
2151 C7
2152 C7
2160 D6
2161 D7
2162 D7
2170 E6
2171 E7
2172 E7
2173 E3
2174 E7
2177 E8
2180 A6
2181 B7
2182 B6
2183 C6
2184 D6
2185 E7
3104 E5
3105 E5
3106 E6
3107 D6
3108 D5
3109 D5
3110 C6
3111 B6
3112 B5
3113 B5
3114 B6
3115 A6
3117 B4
3118 A3
3119 A3
3120 A4
3124 D4
3125 C4
3129 A4
3130 C4
3131 D4
3132 E4
3133 C4
3134 B5
3136 E3
3137 E7
3140 A6
3141 B6
3142 B6
3143 C6
3144 D6
3145 E6
3150 A7
3151 A8
3152 A8
3153 B1
3154 B1
3155 B2
3156 B2
3157 B2
3160 D2
3161 D2
3162 D1
3163 D1
3164 D2
5102 A9
5107 A8
5108 A8
5114 A9
5115 C9
5116 E9
6100 A5
6101 B5
6102 C5
6103 C5
6104 E5
6105 E5
6106 B5
6107 B6
6108 D5
6109 D6
6110 E5
6111 E6
6112 E2
6113 E7
6114 E7
6115 D8
6117 C8
6118 E8
6119 A8
6120 B2
6121 D2
7109 B4
7110 C4
7111 E4
7115-1 A6
7115-2 A6
7116-1 C6
7116-2 C6
7117-1 D6
7117-2 E6
7118 A4
7119 C4
7120 D5
7130-1 B1
7130-2 B2
7132-1 D1
7132-2 D2
A127 A10
A128 B10
A129 D10
A130 D9
A131 E9
F101 B3
F102 C4
F103 D3
F126 A2
F134 E6
F135 D6
F136 D6
F137 C6
F138 C6
F140 B6
F141 B6
F142 A6
F143 A6
F145 B4
F146 C4
F147 D4
F148 A4
F150 C4
F160 D4
I101 A3
I104 E5
I105 C4
I106 A5
I107 A5
I108 A5
I109 B5
I110 C5
I111 D6
I112 D6
I113 B5
I114 E4
I115 D4
I11G A8
I11H A8
I11I A9
I11J A8
I120 D2
I121 D2
I122 E7
I123 A6
I124 B6
I125 B6
I127 C6
I128 D6
I129 E6
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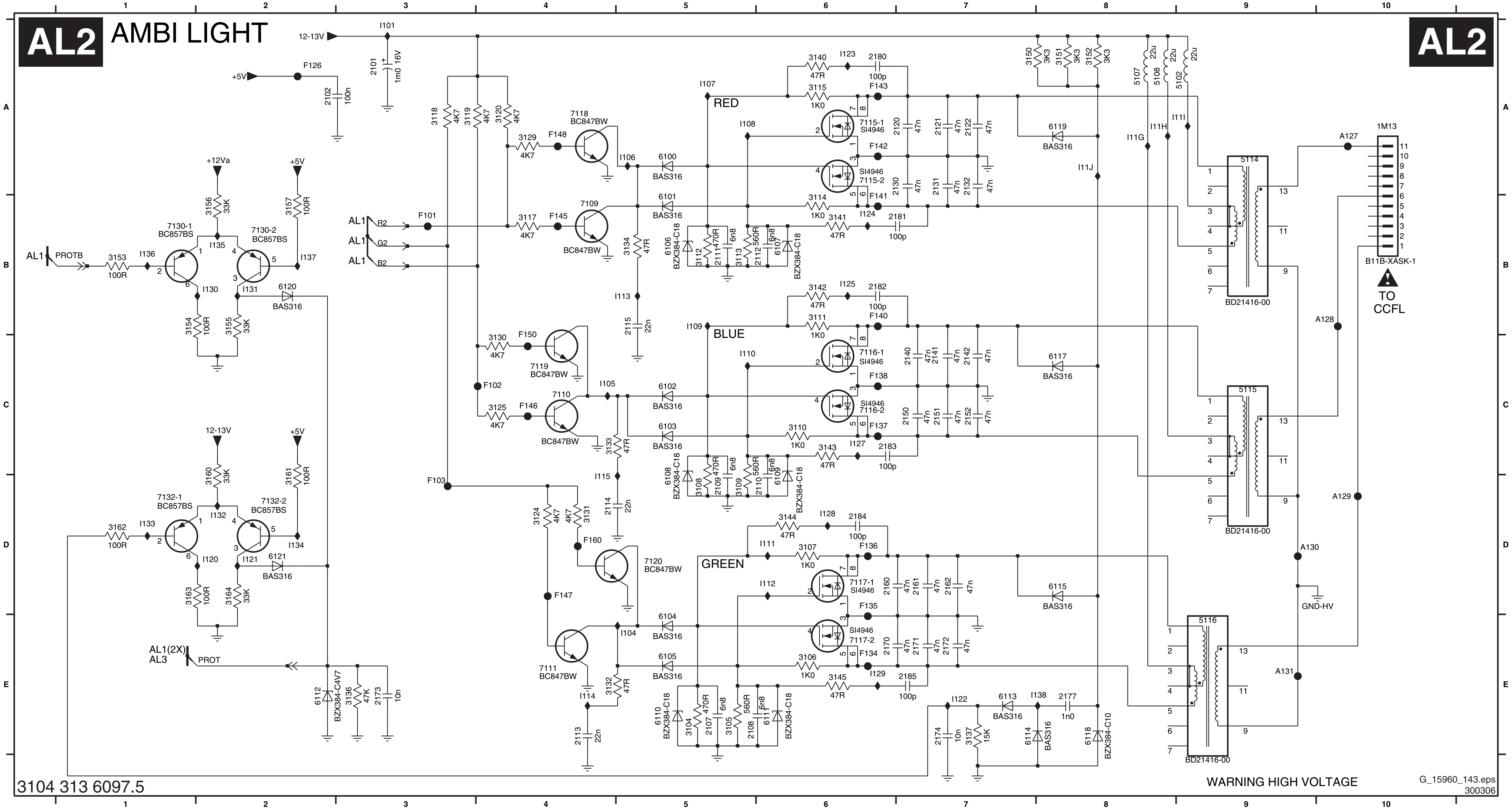
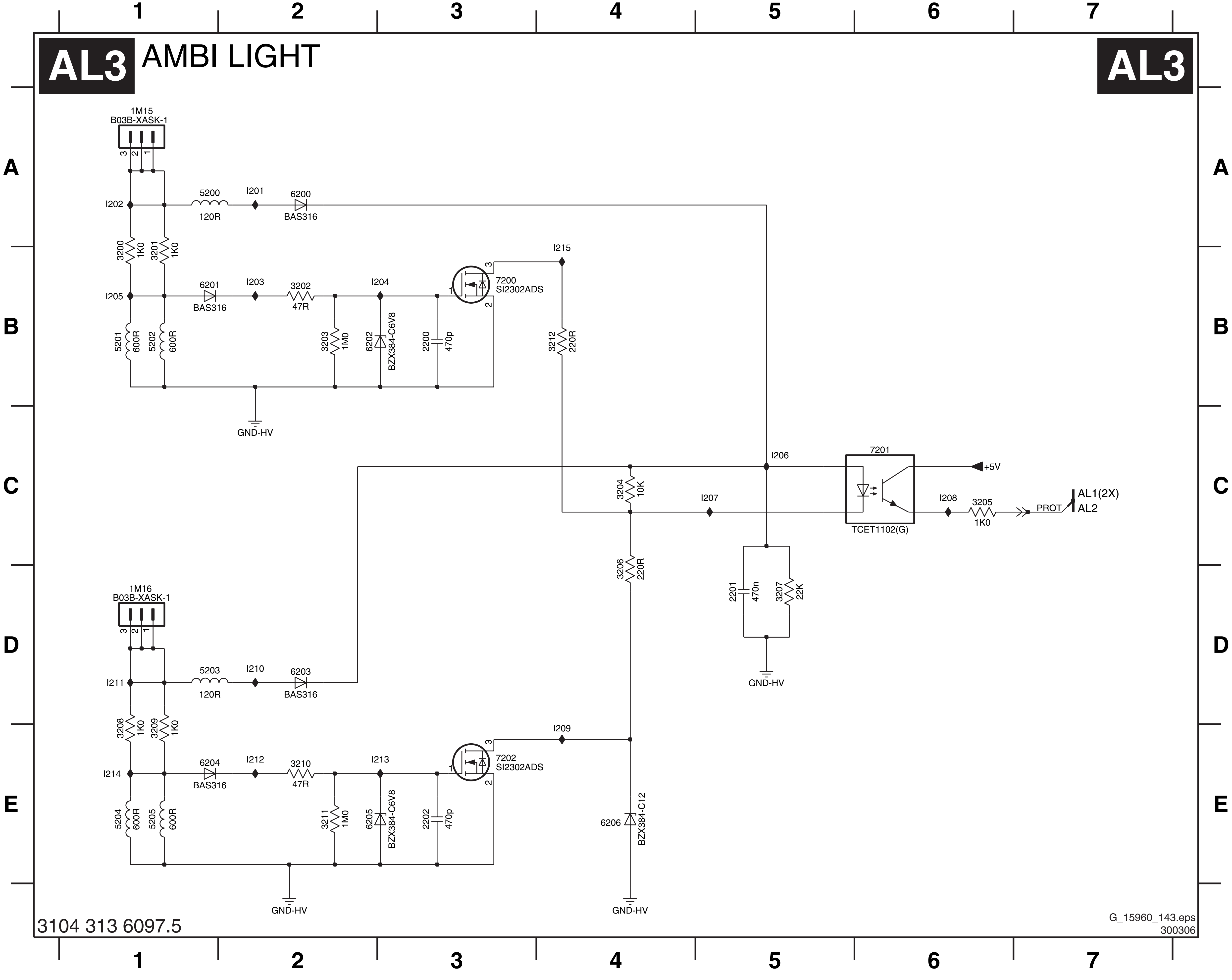
I131 B2
I132 D2
I133 D1
I134 D2
I135 B2
I136 B1
I137 B2
I138 E8


AL2
AMBI LIGHT
AL2
12-13V
+5V
F126
I101
2101 1m0 16V
2102 100n
3118 4K7
3119 4K7
3120 4K7
3129 4K7
F148
7118 BC847BW
I106
6100 BAS316
6101 BAS316
I107
RED
I108
3140 47R
I123
2180 100p
3115 1K0
F143
7115-1 SI4946
SI4946 7115-2
F142
F141
3114 1K0
I124
3141 47R
2181 100p
2120 47n
2121 47n
2122 47n
2130 47n
2131 47n
2132 47n
6106 BZX384-C18
3112 470R
2111 6n8
3113 560R
2112 6n8
6107 BZX384-C18
3134 47R
I113
2115 22n
AL1 R2
AL1 G2
AL1 B2
F101
3117 4K7
F145
7109 BC847BW
+12Va
3156 33K
+5V
3157 100R
7130-1 BC857BS
7130-2 BC857BS
I135
AL1 PROTB
3153 100R
I136
I137
I130
I131
6120 BAS316
3154 100R
3155 33K
3130 4K7
F150
7119 BC847BW
F102
3125 4K7
F146
7110 BC847BW
I105
6102 BAS316
6103 BAS316
3133 47R
I115
2114 22n
I109
BLUE
I110
3142 47R
I125
2182 100p
3111 1K0
F140
7116-1 SI4946
SI4946 7116-2
F138
F137
3110 1K0
I127
3143 47R
2183 100p
2140 47n
2141 47n
2142 47n
2150 47n
2151 47n
2152 47n
6108 BZX384-C18
3108 470R
2109 6n8
3109 560R
2110 6n8
6109 BZX384-C18
F103
3124 4K7
3131 4K7
F160
7120 BC847BW
F147
7111 BC847BW
I104
6104 BAS316
6105 BAS316
3132 47R
I114
2113 22n
12-13V
3160 33K
3161 100R
7132-1 BC857BS
7132-2 BC857BS
I132
3162 100R
I133
I134
I120
I121
6121 BAS316
3163 100R
3164 33K
AL1(2X) AL3 PROT
6112 BZX384-C4V7
3136 47K
2173 10n
GREEN
I111
3144 47R
I128
2184 100p
3107 1K0
F136
I112
7117-1 SI4946
SI4946 7117-2
F135
F134
3106 1K0
I129
3145 47R
2185 100p
2160 47n
2161 47n
2162 47n
2170 47n
2171 47n
2172 47n
6110 BZX384-C18
3104 470R
2107 6n8
3105 560R
2108 6n8
6111 BZX384-C18
3150 3K3
3151 3K3
3152 3K3
5107 22u
5108 22u
5102 22u
6119 BAS316
6117 BAS316
6115 BAS316
I11G
I11H
I11I
I11J
5114 BD21416-00
5115 BD21416-00
5116 BD21416-00
I122
6113 BAS316
I138
2177 1n0
2174 10n
3137 15K
6114 BAS316
6118 BZX384-C10
A127
1M13
B11B-XASK-1
TO CCFL
A128
A129
A130
A131
GND-HV
WARNING HIGH VOLTAGE
3104 313 6097.5
G_15960_143.eps 300306
1 2 3 4 5 6 7 8 9 10
A B C D E

**Ambi Light**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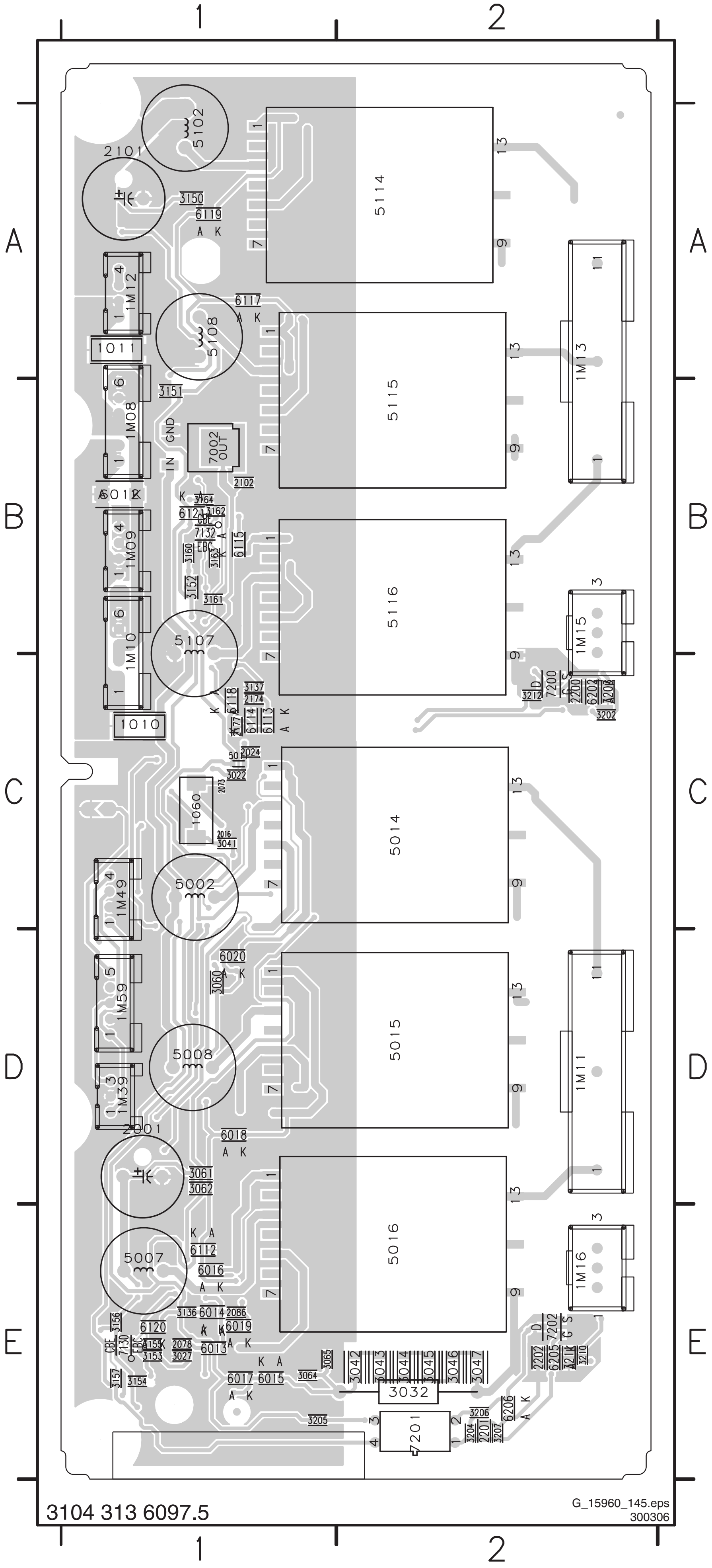
AMBI LIGHT
AL3
1
2
3
4
5
6
7
A
B
C
D
E
1M15
B03B-XASK-1
3 2 1
I202
5200
120R
I201
6200
BAS316
3200
1K0
3201
1K0
I205
6201
BAS316
I203
3202
47R
I204
7200
SI2302ADS
I215
5201
600R
5202
600R
3203
1M0
6202
BZX384-C6V8
2200
470p
3212
220R
GND-HV
I206
7201
+5V
3204
10K
I207
I208
3205
1K0
PROT
AL1(2X)
AL2
TCET1102(G)
3206
220R
2201
470n
3207
22K
GND-HV
1M16
B03B-XASK-1
3 2 1
I211
5203
120R
I210
6203
BAS316
3208
1K0
3209
1K0
I209
I214
6204
BAS316
I212
3210
47R
I213
7202
SI2302ADS
5204
600R
5205
600R
3211
1M0
6205
BZX384-C6V8
2202
470p
6206
BZX384-C12
GND-HV
GND-HV
3104 313 6097.5
G_15960_143.eps
300306

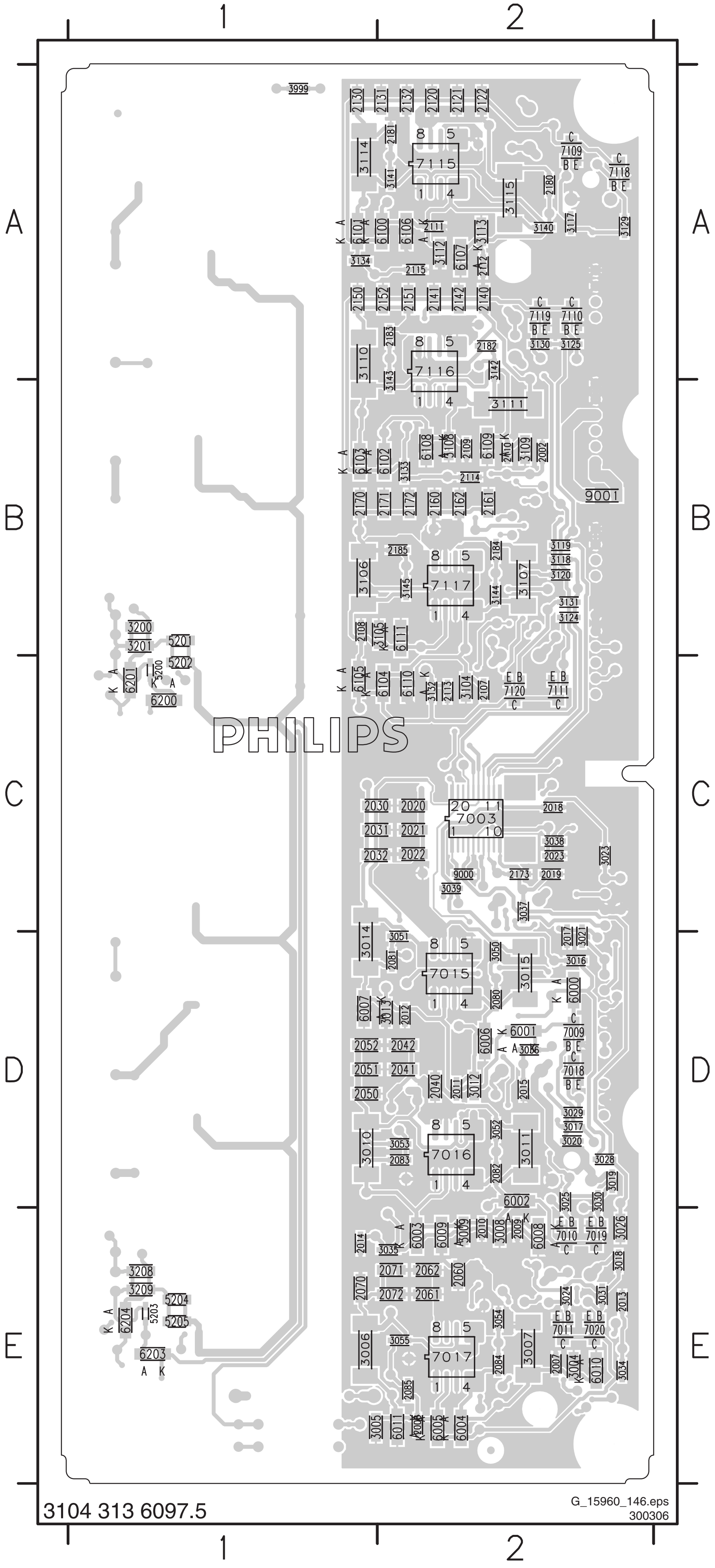
| | |
|---|---|
| 1M15 | A1 |
| 1M16 | D1 |
| 2200 | B3 |
| 2201 | D5 |
| 2202 | E3 |
| 3200 | B1 |
| 3201 | B1 |
| 3202 | B2 |
| 3203 | B2 |
| 3204 | C4 |
| 3205 | C6 |
| 3206 | D4 |
| 3207 | D5 |
| 3208 | E1 |
| 3209 | E1 |
| 3210 | E2 |
| 3211 | E2 |
| 3212 | B4 |
| 5200 | A1 |
| 5201 | B1 |
| 5202 | B1 |
| 5203 | D1 |
| 5204 | E1 |
| 5205 | E1 |
| 6200 | A2 |
| 6201 | B1 |
| 6202 | B2 |
| 6203 | D2 |
| 6204 | E1 |
| 6205 | E2 |
| 6206 | E4 |
| 7200 | B3 |
| 7201 | C6 |
| 7202 | E3 |
| I201 | A2 |
| I202 | A1 |
| I203 | B2 |
| I204 | B3 |
| I205 | B1 |
| I206 | C5 |
| I207 | C5 |
| I208 | C6 |
| I209 | E4 |
| I210 | D2 |
| I211 | D1 |
| I212 | E2 |
| I213 | E3 |
| I214 | E1 |
| I215 | B4 |

## Layout Ambi Light (Top Side)


1
2
A
B
C
D
E
5102
2101
5114
5115
5116
5014
5015
5016
5108
5107
5002
5008
5007
2001
1M12
1011
1M08
1M09
1M10
1010
1060
1M49
1M59
1M39
7002
1M13
1M15
1M11
1M16
3032
7201
3104 313 6097.5
G_15960_145.eps
300306

| | |
|---|---|
| 1010 | C1 |
| 1011 | A1 |
| 1060 | C1 |
| 1M08 | B1 |
| 1M09 | B1 |
| 1M10 | B1 |
| 1M11 | D2 |
| 1M12 | A1 |
| 1M13 | A2 |
| 1M15 | B2 |
| 1M16 | E2 |
| 1M39 | D1 |
| 1M49 | C1 |
| 1M59 | D1 |
| 2001 | D1 |
| 2016 | C1 |
| 2024 | C1 |
| 2073 | C1 |
| 2078 | E1 |
| 2086 | E1 |
| 2101 | A1 |
| 2102 | B1 |
| 2174 | C1 |
| 2177 | C1 |
| 2200 | C2 |
| 2201 | E2 |
| 2202 | E2 |
| 3022 | C1 |
| 3027 | E1 |
| 3032 | E2 |
| 3041 | C1 |
| 3042 | E2 |
| 3043 | E2 |
| 3044 | E2 |
| 3045 | E2 |
| 3046 | E2 |
| 3047 | E2 |
| 3060 | D1 |
| 3061 | D1 |
| 3062 | D1 |
| 3064 | E1 |
| 3065 | E1 |
| 3136 | E1 |
| 3137 | C1 |
| 3150 | A1 |
| 3151 | B1 |
| 3152 | B1 |
| 3153 | E1 |
| 3154 | E1 |
| 3155 | E1 |
| 3156 | E1 |
| 3157 | E1 |
| 3160 | B1 |
| 3161 | B1 |
| 3162 | B1 |
| 3163 | B1 |
| 3164 | B1 |
| 3202 | C2 |
| 3203 | C2 |
| 3204 | E2 |
| 3205 | E1 |
| 3206 | E2 |
| 3207 | E2 |
| 3210 | E2 |
| 3211 | E2 |
| 3212 | C2 |
| 5002 | D1 |
| 5007 | E1 |
| 5008 | D1 |
| 5011 | C1 |
| 5014 | C2 |
| 5015 | D2 |
| 5016 | D2 |
| 5102 | A1 |
| 5107 | B1 |
| 5108 | A1 |
| 5114 | A2 |
| 5115 | B2 |
| 5116 | B2 |
| 6012 | B1 |
| 6013 | E1 |
| 6014 | E1 |
| 6015 | E1 |
| 6016 | E1 |
| 6017 | E1 |
| 6018 | D1 |
| 6019 | E1 |
| 6020 | D1 |
| 6112 | E1 |
| 6113 | C1 |
| 6114 | C1 |
| 6115 | B1 |
| 6117 | A1 |
| 6118 | C1 |
| 6119 | A1 |
| 6120 | E1 |
| 6121 | B1 |
| 6202 | C2 |
| 6205 | E2 |
| 6206 | E2 |
| 7002 | B1 |
| 7130 | E1 |
| 7132 | B1 |
| 7200 | C2 |
| 7201 | E2 |
| 7202 | E2 |

## Layout Ambi Light (Bottom Side)


1
2
A
B
C
D
E
PHILIPS
7115
7116
7117
7003
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7016
7017
9001
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300306

| | |
|---|---|
| 2002 | B2 |
| 2007 | E2 |
| 2008 | E2 |
| 2009 | E2 |
| 2010 | E2 |
| 2011 | D2 |
| 2012 | D2 |
| 2013 | E2 |
| 2014 | E1 |
| 2015 | D2 |
| 2017 | D2 |
| 2018 | C2 |
| 2019 | C2 |
| 2020 | C2 |
| 2021 | C2 |
| 2022 | C2 |
| 2023 | C2 |
| 2030 | C1 |
| 2031 | C1 |
| 2032 | C1 |
| 2040 | D2 |
| 2041 | D2 |
| 2042 | D2 |
| 2050 | D1 |
| 2051 | D1 |
| 2052 | D1 |
| 2060 | E2 |
| 2061 | E2 |
| 2062 | E2 |
| 2070 | E1 |
| 2071 | E2 |
| 2072 | E2 |
| 2080 | D2 |
| 2081 | D2 |
| 2082 | D2 |
| 2083 | D2 |
| 2084 | E2 |
| 2085 | E2 |
| 2107 | C2 |
| 2108 | B1 |
| 2109 | B2 |
| 2110 | B2 |
| 2111 | A2 |
| 2112 | A2 |
| 2113 | C2 |
| 2114 | B2 |
| 2115 | A2 |
| 2120 | A2 |
| 2121 | A2 |
| 2122 | A2 |
| 2130 | A1 |
| 2131 | A2 |
| 2132 | A2 |
| 2140 | A2 |
| 2141 | A2 |
| 2142 | A2 |
| 2150 | A1 |
| 2151 | A2 |
| 2152 | A2 |
| 2160 | B2 |
| 2161 | B2 |
| 2162 | B2 |
| 2170 | B1 |
| 2171 | B2 |
| 2172 | B2 |
| 2173 | C2 |
| 2180 | A2 |
| 2181 | A2 |
| 2182 | A2 |
| 2183 | A2 |
| 2184 | B2 |
| 2185 | B2 |
| 3004 | E2 |
| 3005 | E1 |
| 3006 | E1 |
| 3007 | E2 |
| 3008 | E2 |
| 3009 | E2 |
| 3010 | D1 |
| 3011 | D2 |
| 3012 | D2 |
| 3013 | D2 |
| 3014 | C2 |
| 3015 | D2 |
| 3016 | D2 |
| 3017 | D2 |
| 3018 | E2 |
| 3019 | D2 |
| 3020 | D2 |
| 3021 | D2 |
| 3023 | C2 |
| 3024 | E2 |
| 3025 | D2 |
| 3026 | E2 |
| 3028 | D2 |
| 3029 | D2 |
| 3030 | D2 |
| 3031 | E2 |
| 3034 | E2 |
| 3035 | E2 |
| 3036 | D2 |
| 3037 | C2 |
| 3038 | C2 |
| 3039 | C2 |
| 3050 | D2 |
| 3051 | D2 |
| 3052 | D2 |
| 3053 | D2 |
| 3054 | E2 |
| 3055 | E2 |
| 3104 | C2 |
| 3105 | B2 |
| 3106 | B1 |
| 3107 | B2 |
| 3108 | B2 |
| 3109 | B2 |
| 3110 | A2 |
| 3111 | B2 |
| 3112 | A2 |
| 3113 | A2 |
| 3114 | A1 |
| 3115 | A2 |
| 3117 | A2 |
| 3118 | B2 |
| 3119 | B2 |
| 3120 | B2 |
| 3124 | B2 |
| 3125 | A2 |
| 3129 | A2 |
| 3130 | A2 |
| 3131 | B2 |
| 3132 | C2 |
| 3133 | B2 |
| 3134 | A1 |
| 3140 | A2 |
| 3141 | A2 |
| 3142 | A2 |
| 3143 | B2 |
| 3144 | B2 |
| 3145 | B2 |
| 3200 | B1 |
| 3201 | B1 |
| 3208 | E1 |
| 3209 | E1 |
| 3999 | A1 |
| 5200 | C1 |
| 5201 | B1 |
| 5202 | C1 |
| 5203 | E1 |
| 5204 | E1 |
| 5205 | E1 |
| 6000 | D2 |
| 6001 | D2 |
| 6002 | D2 |
| 6003 | E2 |
| 6004 | E2 |
| 6005 | E2 |
| 6006 | D2 |
| 6007 | D1 |
| 6008 | E2 |
| 6009 | E2 |
| 6010 | E2 |
| 6011 | E2 |
| 6100 | A1 |
| 6101 | A1 |
| 6102 | B1 |
| 6103 | B1 |
| 6104 | C2 |
| 6105 | C1 |
| 6106 | A2 |
| 6107 | A2 |
| 6108 | B2 |
| 6109 | B2 |
| 6110 | C2 |
| 6111 | B2 |
| 6200 | C1 |
| 6201 | C1 |
| 6203 | E1 |
| 6204 | E1 |
| 7003 | C2 |
| 7009 | D2 |
| 7010 | D2 |
| 7011 | E2 |
| 7015 | C2 |
| 7016 | D2 |
| 7017 | E2 |
| 7018 | D2 |
| 7019 | E2 |
| 7020 | E2 |
| 7109 | A2 |
| 7110 | A2 |
| 7111 | C2 |
| 7115 | A2 |
| 7116 | A2 |
| 7117 | B2 |
| 7118 | A2 |
| 7119 | A2 |
| 7120 | C2 |
| 9000 | C2 |
| 9001 | B2 |

## Platform Supply 42”: Aux Supply

0P01 G10
1M03 G3
1M10 H13
1M18 H14
1M46 H15
1M63 G10
1P00 G4
1P01 G4
1P02 B1
1P03 A3
1P05 H7
1P06 A11
1P07 B11
1P10 H12
1P16 C1
1P17 C1
1P22 A1
1P30 E13
2P01 F15
2P02 H10
2P03 D7
2P04 F5
2P05 G7
2P06 D9
2P07 B4
2P08 B4
2P09 B2
2P10 B2
2P11 G6
2P12 F12
2P13 E15
2P14 B5
2P16 B4
2P17 B3
2P18 B6
2P19 B6
2P20 B8
2P21 A15
2P22 A14
2P23 F14
2P24 F15
2P25 B11
2P26 A13
2P27 B11
2P28 B12
2P29 B11
2P30 B12
2P31 D13
2P32 E2
2P33 H6
2P34 C15
2P35 A11
2P36 D1
2P37 B14
2P38 E10
2P39 A12
2P40 F12
2P42 C11
2P43 C11
2P45 F3
2P47 C11
2P48 E15
2P49 C12
2P50 D14
2P52 B5
2P53 A12
2P54 E2
2P55 D14
2P56 F12
2P57 F11
2P64 B11
2P80 E10
3P00 B12
3P01 B12
3P02 B12
3P03 B12
3P04 C6
3P05 D13
3P06 H10
3P07 D5
3P08 C7
3P09 E15
3P10 E15
3P11 A13
3P12 G12
3P13 C5
3P14 F2
3P15 C2
3P16 D7
3P17 A15
3P18 A14
3P19 A14
3P20 A14
3P21 A13
3P22 B14
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3P24 C14
3P25 F6
3P26 C14
3P27 D7
3P28 B5
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3P32 D3
3P33 E7
3P34 D3
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3P38 D3
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3P41 D2
3P42 C4
3P43 D4
3P44 D3
3P45 D2
3P46 D3
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3P49 E12
3P50 C7
3P51 F13
3P52 F14
3P53 F14
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3P55 F14
3P56 H2
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3P58 E14
3P59 F13
3P60 C7
3P61 E10
3P62 F10
3P63 F11
3P64 G11
3P65 F11
3P66 G11
3P67 F12
3P68 F7
3P69 F6
3P70 C13
3P71 C14
3P72 C14
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3P77 G7
3P78 G5
3P79 D10
3P80 D10
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3P85 D11
3P86 E11
3P87 E11
3P88 C11
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3P90 E11
3P91 E11
3P92 H6
3P93 B13
3P94 B14
3P95 D2
3P96 A12
3P97 A13
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3P99 A12
3S01 A10
3S02 A10
3S03 A10
3S04 A10
5P00 A9
5P01 B9
5P03 F8
5P04 B8
5P05 C8
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5P07 C7
5P08 C8
5P09 D15
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5P11 B10
5P12 B10
5P13 C10
5P14 C15
5P16 D15
5P18 B15
5P19 B15
5P20 A15
5P21 B11
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5P24 C11
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5P26 B7
5P27 B6
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6P81 E10
6P82 C10
6P83 D10
6P84 D10
6P85 E10
7P02 C7
7P03 A12
7P04 A14
7P06 C4
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7P09 F12
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7P14 F13
7P15 F13
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7P18 C14
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7P82 C12
9P57 C12
9P60 A11
9P61 B15
9P63 A3
9P64 B3
9P65 C15
9P67 H11
9P68 H11
9P72 C15
9P73 D15
9P80 H13
9P81 H13
FP00 A1
FP01 B2
FP02 B1
FP03 C1
FP04 B3
FP05 B4
FP06 H3
FP08 D15
FP09 C15
FP10 H2
FP11 H3
FP12 C2
FP13 H11
FP16 H13
FP17 H13
FP18 H15
FP19 H15
FP20 H15
FP21 H15
FP22 H15
FP23 C3
FP24 B2
FP25 H2
FP26 A4
FP27 H15
FP29 B1
FP30 H15
FP31 H15
FP32 H15
FP35 H2
FP37 C13
FP38 H11
FP79 E12
IP01 A3
IP02 H13
IP03 F7
IP04 B12
IP05 A14
IP06 A14
IP07 D1
IP08 C3
IP09 C3
IP0A C7
IP0B D2
IP0C C11
IP0D C13
IP0E C13
IP0F C14
IP10 A5
IP11 C7
IP12 D7
IP13 C5
IP14 E7
IP15 C7
IP16 B5
IP17 B7
IP18 B7
IP19 C7
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IP1B F13
IP1C A13
IP1D E2
IP1E D3
IP1F D3
IP20 D7
IP21 A10
IP22 A10
IP23 E13
IP24 E13
IP25 E14
IP26 F14
IP27 F8
IP28 C9
IP29 F8
IP2A E3
IP30 A14
IP31 B11
IP32 C14
IP33 B14
IP35 F7
IP36 F6
IP37 F5
IP38 F5
IP40 F5
IP41 G5
IP42 A2
IP44 E2
IP45 F3
IP46 F9
IP47 C9
IP48 B8
IP49 A10
IP50 B10
IP51 B10
IP52 B11
IP53 A11
IP54 D11
IP55 D11
IP56 C11
IP57 D10
IP58 B7
IP59 E10
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IP5D E7
IP5E G3
IP5F H3
IP60 E11
IP61 C10
IP62 C10
IP63 C10
IP64 C11
IP65 B6
IP66 E10
IP67 F10
IP68 F10
IP69 F11
IP6A G5
IP6B E15
IP6C B13
IP70 F12
IP71 F10
IP72 F12
IP73 F15
IP74 E14
IP75 D10
IP76 E10
IP77 D11
IP78 D11
IP79 B6
IP80 D10
IP81 G10
IP82 C14
IP83 A10
IP84 B10
IP85 B11
IP86 B11
IP87 C11
IP88 C11
IP89 A11
IP90 B13
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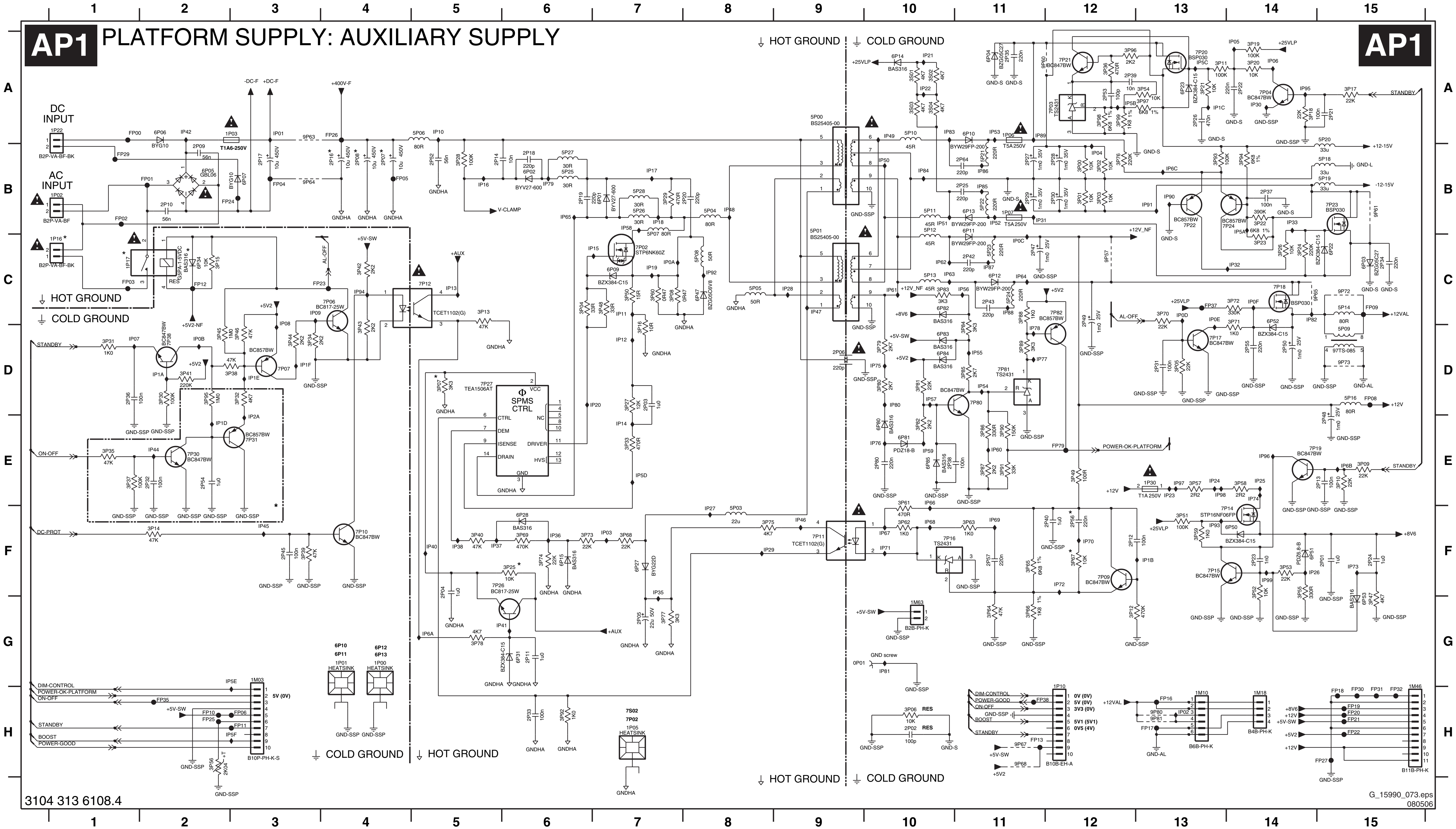
IP94 C4
IP95 A14
IP96 E14
IP97 E13
IP98 E13
IP99 F14



AP1
PLATFORM SUPPLY: AUXILIARY SUPPLY
HOT GROUND
COLD GROUND
DC INPUT
1P22
B2P-VA-BF-BK
AC INPUT
1P02
B2P-VA-BF
1P16
B2P-VA-BF-BK
1P17
G5PA1-5VDC
FP00
6P06
BYG10
IP42
1P03
T1A6-250V
IP01
9P63
FP26
2P09
56n
6P05
GBL06
FP01
FP29
2P10
56n
FP02
FP03
FP24
FP12
FP04
9P64
-DC-F
+DC-F
+400V-F
5P06
80R
IP10
GNDHA
V-CLAMP
+5V-SW
AL-OFF
+AUX
+5V2
+5V2-NF
7P06
BC817-25W
7P07
BC857BW
7P12
TCET1102(G)
3P13
47K
STANDBY
ON-OFF
DC-PROT
7P38
BC847BW
7P30
BC847BW
7P31
BC857BW
7P10
BC847BW
GND-SSP
7P27
TEA1506AT
SPMS CTRL
VCC
CTRL
DEM
ISENSE
DRAIN
DRIVER
HVS
GND
NC
7P02
STP6NK60Z
6P09
BZX384-C15
6P28
BAS316
7P26
BC817-25W
6P31
BZX384-C15
6P27
BYG22D
5P00
BS25405-00
5P01
BS25405-00
5P03
22u
7P11
TCET1102(G)
+25VLP
6P14
BAS316
7P21
BC847BW
7P20
BSP030
7P03
TS2431
7P04
BC847BW
STANDBY
5P20
33u
+12-15V
5P18
GND-L
5P19
-12-15V
6P10
BYW29FP-200
1P06
T5A250V
6P13
BYW29FP-200
1P07
6P11
BYW29FP-200
6P12
BYW29FP-200
+12V_NF
7P22
BC857BW
7P24
BC857BW
7P23
BSP030
7P18
BSP030
5P14
80R
5P09
97TS-085
+12VAL
7P82
BC857BW
7P81
TS2431
7P80
BC847BW
6P81
PDZ18-B
+12V
POWER-OK-PLATFORM
7P17
BC847BW
6P52
BZX384-C15
7P19
BC847BW
1P30
T1A 250V
7P14
STP16NF06FP
6P50
BZX384-C15
+8V6
7P15
BC847BW
7P16
TS2431
7P09
BC847BW
1M63
B2B-PH-K
GND screw
GND-S
1M03
5V (0V)
DIM-CONTROL
POWER-OK-PLATFORM
BOOST
POWER-GOOD
B10P-PH-K-S
6P10
6P11
1P01
HEATSINK
6P12
6P13
1P00
HEATSINK
7S02
7P02
1P05
HEATSINK
1P10
0V (0V)
5V (0V)
3V3 (0V)
5V1 (5V1)
0V5 (4V)
B10B-EH-A
1M10
B6B-PH-K
1M18
B4B-PH-K
1M46
B11B-PH-K
+12VAL
GND-AL
3P06
RES
2P02
RES
3104 313 6108.4
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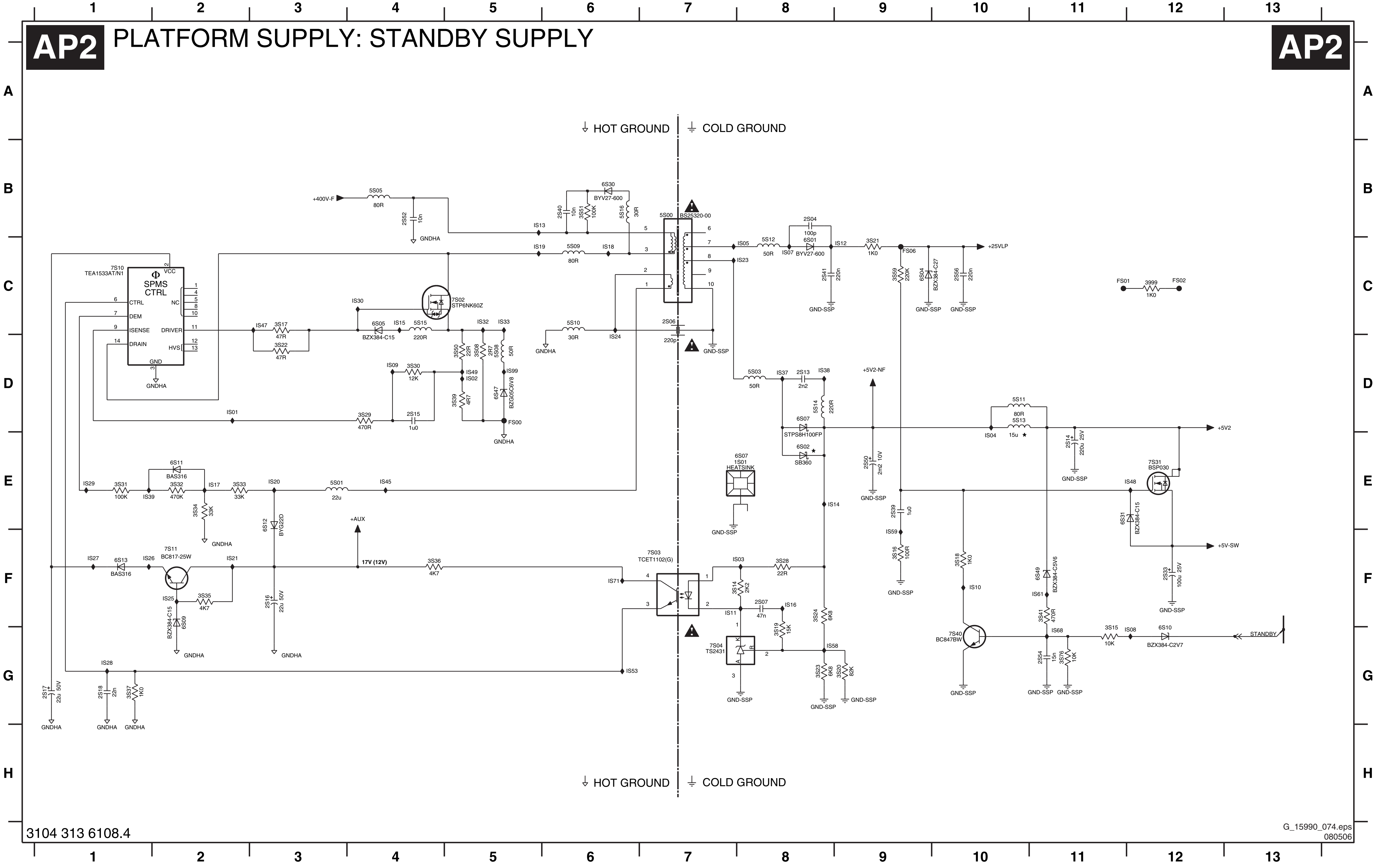
## Platform Supply 42”: Stby Supply


AP2
PLATFORM SUPPLY: STANDBY SUPPLY
HOT GROUND
COLD GROUND
7S10 TEA1533AT/N1
SPMS CTRL
VCC
CTRL
DEM
ISENSE
DRAIN
DRIVER
HVS
NC
GND
GNDHA
7S02 STP6NK60Z
5S00 BS25320-00
+400V-F
5S05 80R
2S52 10n
6S30 BYV27-600
2S40 10n
3S51 100K
5S16 30R
5S09 80R
5S12 50R
6S01 BYV27-600
2S04 100p
3S21 1K0
+25VLP
2S41 220n
3S59 220K
6S04 BZX384-C27
2S56 220n
GND-SSP
FS01
3999 1K0
FS02
3S17 47R
3S22 47R
6S05 BZX384-C15
5S15 220R
3S50 22R
2S08 2n7
5S08 50R
6S47 BZX585C6V8
5S10 30R
2S06 220p
3S30 12K
3S39 4R7
3S29 470R
2S15 1u0
FS00
5S03 50R
2S13 2n2
5S14 220R
+5V2-NF
6S07 STPS8H100FP
6S02 SB360
5S11 80R
5S13 15u
2S14 220u 25V
+5V2
2S50 2m2 10V
2S39 1u0
3S16 100R
7S31 BSP030
6S31 BZX384-C15
+5V-SW
2S33 100u 25V
6S07 1S01 HEATSINK
6S11 BAS316
3S31 100K
3S32 470K
3S33 33K
3S34 33K
5S01 22u
6S12 BYG22D
+AUX
17V (12V)
3S36 4K7
6S13 BAS316
7S11 BC817-25W
3S35 4K7
6S09 BZX384-C15
2S16 22u 50V
7S03 TCET1102(G)
3S28 22R
3S14 2K2
2S07 47n
3S19 15K
7S04 TS2431
3S24 6K8
3S23 6K8
3S20 82K
3S18 1K0
6S49 BZX384-C5V6
3S41 470R
7S40 BC847BW
2S54 15n
3S76 10K
3S15 10K
6S10 BZX384-C2V7
STANDBY
2S17 22u 50V
2S18 22n
3S37 1K0
3104 313 6108.4
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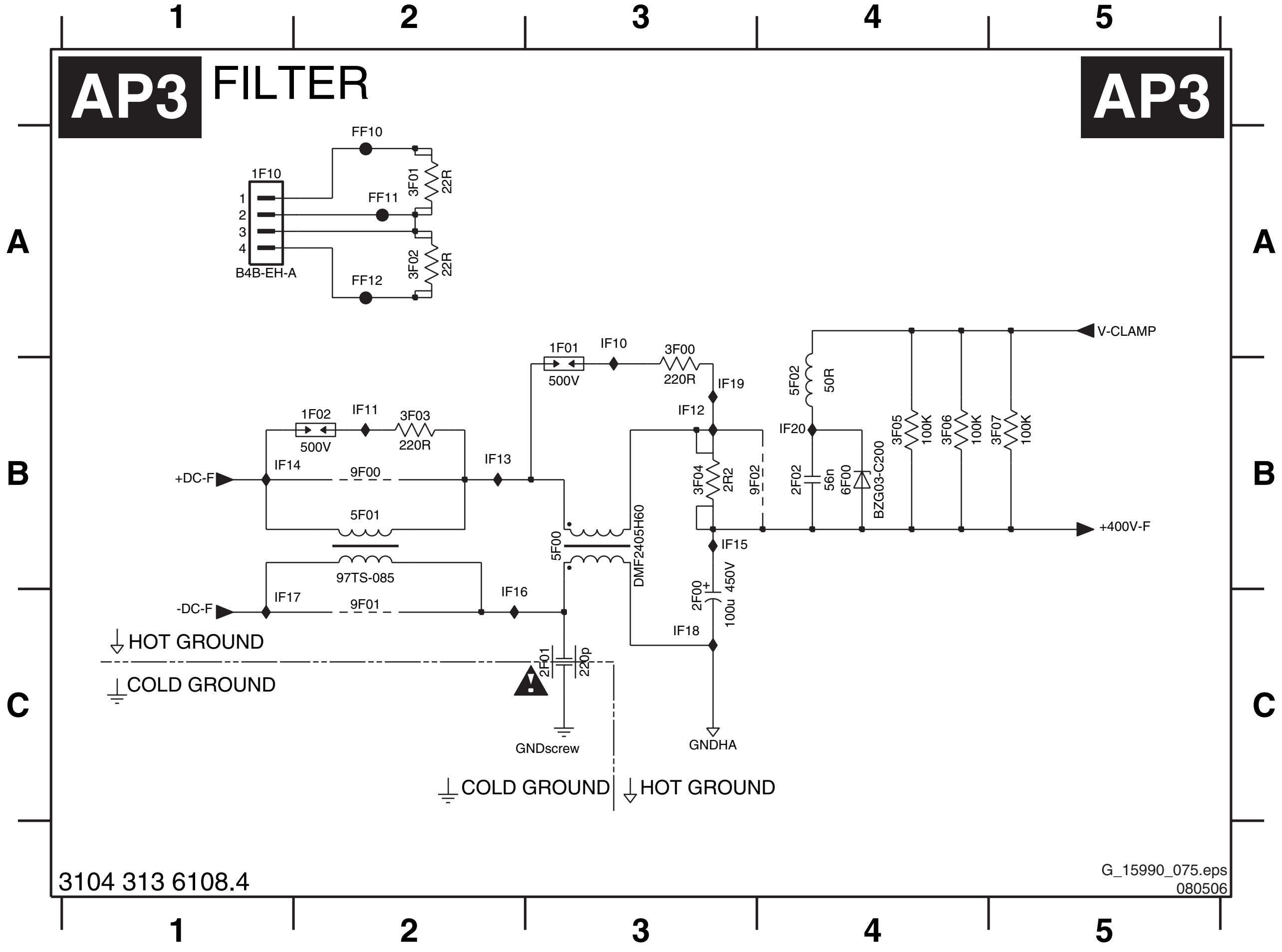
| | |
|---|---|
| 1S01 | E8 |
| 2S04 | B8 |
| 2S06 | C7 |
| 2S07 | F8 |
| 2S13 | D8 |
| 2S14 | E11 |
| 2S15 | D4 |
| 2S16 | F3 |
| 2S17 | G1 |
| 2S18 | G1 |
| 2S33 | F12 |
| 2S39 | E9 |
| 2S40 | B6 |
| 2S41 | C8 |
| 2S50 | E9 |
| 2S52 | B4 |
| 2S54 | G11 |
| 2S56 | C10 |
| 3999 | C12 |
| 3S08 | D5 |
| 3S14 | F7 |
| 3S15 | F11 |
| 3S16 | F9 |
| 3S17 | C3 |
| 3S18 | F10 |
| 3S19 | G8 |
| 3S20 | G9 |
| 3S21 | C9 |
| 3S22 | D3 |
| 3S23 | G8 |
| 3S24 | F8 |
| 3S28 | F8 |
| 3S29 | D4 |
| 3S30 | D4 |
| 3S31 | E1 |
| 3S32 | E2 |
| 3S33 | E2 |
| 3S34 | E2 |
| 3S35 | F2 |
| 3S36 | F4 |
| 3S37 | G1 |
| 3S39 | D5 |
| 3S41 | F11 |
| 3S50 | D5 |
| 3S51 | B6 |
| 3S59 | C9 |
| 3S76 | G11 |
| 5S00 | B7 |
| 5S01 | E3 |
| 5S03 | D8 |
| 5S05 | B4 |
| 5S08 | D5 |
| 5S09 | C6 |
| 5S10 | C6 |
| 5S11 | D10 |
| 5S12 | C8 |
| 5S13 | D10 |
| 5S14 | D8 |
| 5S15 | C4 |
| 5S16 | B6 |
| 6S01 | C8 |
| 6S02 | E8 |
| 6S04 | C9 |
| 6S05 | C4 |
| 6S07 | D8 |
| 6S09 | F2 |
| 6S10 | F12 |
| 6S11 | E2 |
| 6S12 | E3 |
| 6S13 | F1 |
| 6S30 | B6 |
| 6S31 | E11 |
| 6S47 | D5 |
| 6S49 | F11 |
| 7S02 | C5 |
| 7S03 | F7 |
| 7S04 | G7 |
| 7S10 | C1 |
| 7S11 | F2 |
| 7S31 | E12 |
| 7S40 | G10 |
| FS00 | D5 |
| FS01 | C11 |
| FS02 | C12 |
| FS06 | C9 |
| IS01 | D2 |
| IS02 | D5 |
| IS03 | F8 |
| IS04 | E10 |
| IS05 | C8 |
| IS07 | C8 |
| IS08 | G12 |
| IS09 | D4 |
| IS10 | F10 |
| IS11 | F7 |
| IS12 | C9 |
| IS13 | B5 |
| IS14 | E8 |
| IS15 | C4 |
| IS16 | F8 |
| IS17 | E2 |
| IS18 | C6 |
| IS19 | C5 |
| IS20 | E3 |
| IS21 | F2 |
| IS23 | C8 |
| IS24 | D6 |
| IS25 | F2 |
| IS26 | F1 |
| IS27 | F1 |
| IS28 | G1 |
| IS29 | E1 |
| IS30 | C4 |
| IS32 | C5 |
| IS33 | C5 |
| IS37 | D8 |
| IS38 | D8 |
| IS39 | E1 |
| IS45 | E4 |
| IS47 | C3 |
| IS48 | E12 |
| IS49 | D5 |
| IS53 | G6 |
| IS58 | G8 |
| IS59 | F9 |
| IS61 | F11 |
| IS68 | G11 |
| IS71 | F6 |
| IS99 | D5 |

## Platform Supply 42”: Filter


1
2
3
4
5
A
B
C
AP3
FILTER
AP3
FF10
1F10
1
2
3
4
B4B-EH-A
FF11
3F01
22R
3F02
22R
FF12
1F01
500V
IF10
3F00
220R
IF19
IF12
1F02
500V
IF11
3F03
220R
IF14
+DC-F
9F00
IF13
5F01
97TS-085
-DC-F
IF17
9F01
IF16
5F00
DMF2405H60
3F04
2R2
9F02
IF15
2F00
100u 450V
IF18
5F02
50R
IF20
2F02
56n
6F00
BZG03-C200
3F05
100K
3F06
100K
3F07
100K
V-CLAMP
+400V-F
HOT GROUND
COLD GROUND
2F01
220p
GNDscrew
GNDHA
COLD GROUND
HOT GROUND
3104 313 6108.4
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| | |
|---|---|
| 1F01 | A3 |
| 1F02 | B2 |
| 1F10 | A1 |
| 2F00 | C3 |
| 2F01 | C3 |
| 2F02 | B4 |
| 3F00 | A3 |
| 3F01 | A2 |
| 3F02 | A2 |
| 3F03 | B2 |
| 3F04 | B3 |
| 3F05 | B4 |
| 3F06 | B4 |
| 3F07 | B5 |
| 5F00 | B3 |
| 5F01 | B2 |
| 5F02 | B4 |
| 6F00 | B4 |
| 9F00 | B2 |
| 9F01 | C2 |
| 9F02 | B4 |
| FF10 | A2 |
| FF11 | A2 |
| FF12 | A2 |
| IF10 | A3 |
| IF11 | B2 |
| IF12 | B3 |
| IF13 | B2 |
| IF14 | B1 |
| IF15 | B3 |
| IF16 | C2 |
| IF17 | C1 |
| IF18 | C3 |
| IF19 | B3 |
| IF20 | B4 |

### *Personal Notes:*

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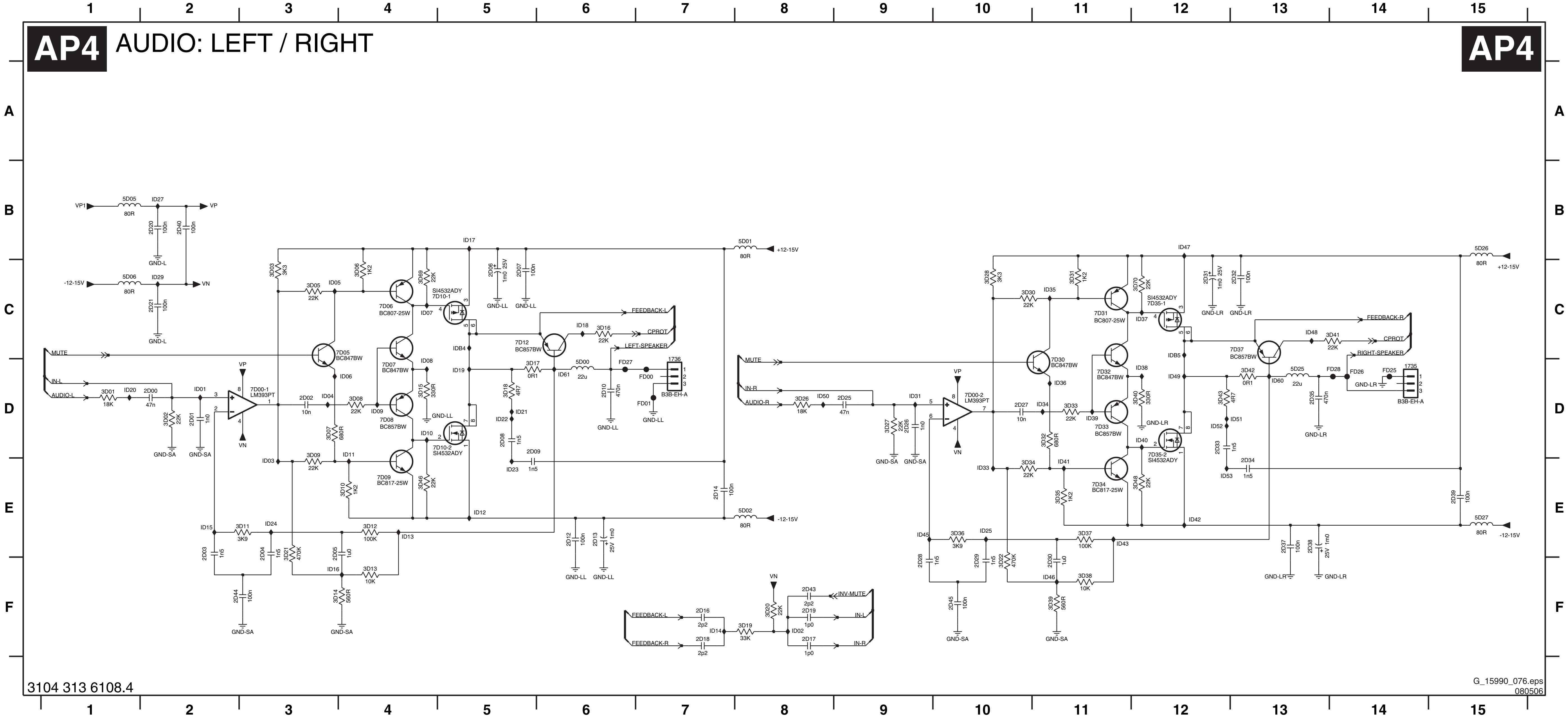
131004

## Platform Supply 42”: Audio Left/Right

1735 D14
1736 D7
2D00 D2
2D01 D2
2D02 D3
2D03 E2
2D04 E3
2D05 E3
2D06 C5
2D07 C5
2D08 D5
2D09 D5
2D10 D6
2D12 E6
2D13 E6
2D14 E7
2D16 F7
2D17 F8
2D18 F7
2D19 F8
2D20 B2
2D21 C2
2D25 D9
2D26 D9
2D27 D10
2D28 F9
2D29 F10
2D30 F11
2D31 C12
2D32 C13
2D33 D12
2D34 D13
2D35 D13
2D37 E13
2D38 E13
2D39 E15
2D40 B2
2D43 F8
2D44 F2
2D45 F10
3D01 D1
3D02 D2
3D03 C3
3D05 C3
3D06 C4
3D07 D3
3D08 D4
3D09 D3
3D10 E4
3D11 E3
3D12 E4
3D13 F4
3D14 F3
3D15 D4
3D16 C6
3D17 D5
3D18 D5
3D19 F8
3D20 F8
3D21 E3
3D22 F10
3D26 D8
3D27 D9
3D28 C10
3D30 C10
3D31 C11
3D32 D11
3D33 D11
3D34 E10
3D35 E11
3D36 E10
3D37 E11
3D38 F11
3D39 F11
3D40 D12
3D41 C14
3D42 D13
3D43 D12
3D46 E4
3D48 E12
3D69 C4
3D70 C12
5D00 D6
5D01 B8
5D02 E8
5D05 B1
5D06 C1
5D25 D13
5D26 B15
5D27 E15
7D00-1 D3
7D00-2 D10
7D05 C3
7D06 C4
7D07 D4
7D08 D4
7D09 E4
7D10-1 C4
7D10-2 D4
7D12 C5
7D30 D11
7D31 C11
7D32 D11
7D33 D11
7D34 E11
7D35-1 C12
7D35-2 D12
7D37 C12
FD00 D7
FD01 D7
FD25 D14
FD26 D14
FD27 D6
FD28 D14
ID01 D2
ID02 F8
ID03 E3
ID04 D3
ID05 C3
ID06 D4
ID07 C4
ID08 D4
ID09 D4
ID10 D4
ID11 D4
ID12 E5
ID13 E4
ID14 F7
ID15 E2
ID16 F3
ID17 B5
ID18 C6
ID19 D5
ID20 D1
ID21 D5
ID22 D5
ID23 E5
ID24 E3
ID25 E10
ID27 B2
ID29 C2
ID31 D9
ID33 E10
ID34 D11
ID35 C11
ID36 D11
ID37 C12
ID38 D12
ID39 D11
ID40 D12
ID41 E11
ID42 E12
ID43 E11
ID45 E9
ID46 F11
ID47 B12
ID48 C13
ID49 D12
ID50 D8
ID51 D13
ID52 D12
ID53 E12
ID60 D13
ID61 D6
IDB4 C5
IDB5 C12


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
AP4
AUDIO: LEFT / RIGHT
AP4
VP1
5D05
80R
ID27
VP
2D20
100n
2D40
100n
GND-L
-12-15V
5D06
80R
ID29
VN
2D21
100n
GND-L
MUTE
IN-L
AUDIO-L
3D01
18K
ID20
2D00
47n
ID01
3D02
22K
2D01
1n0
GND-SA
GND-SA
VP
7D00-1
LM393PT
VN
3D03
3K3
3D05
22K
ID05
3D06
1K2
7D05
BC847BW
ID06
2D02
10n
ID04
3D08
22K
ID09
3D07
680R
7D06
BC807-25W
ID07
SI4532ADY
7D10-1
3D69
22K
7D07
BC847BW
ID08
7D08
BC857BW
3D15
330R
GND-LL
ID10
7D10-2
SI4532ADY
ID03
3D09
22K
ID11
7D09
BC817-25W
3D10
1K2
3D46
22K
ID17
2D06
1m0 25V
2D07
100n
GND-LL
GND-LL
IDB4
ID19
7D12
BC857BW
ID18
3D16
22K
FEEDBACK-L
CPROT
LEFT-SPEAKER
3D17
0R1
ID61
5D00
22u
FD27
FD00
1736
B3B-EH-A
FD01
GND-LL
2D10
470n
GND-LL
3D18
4R7
ID21
ID22
2D08
1n5
ID23
2D09
1n5
ID12
5D01
80R
+12-15V
2D14
100n
5D02
80R
-12-15V
ID15
3D11
3K9
ID24
3D12
100K
ID13
2D03
1n5
2D04
1n5
3D21
470K
2D05
1u0
ID16
3D13
10K
2D44
100n
3D14
560R
GND-SA
GND-SA
2D12
100n
2D13
1m0 25V
GND-LL
GND-LL
FEEDBACK-L
2D16
2p2
ID14
FEEDBACK-R
2D18
2p2
3D19
33K
VN
3D20
22K
ID02
2D43
2p2
INV-MUTE
2D19
1p0
IN-L
2D17
1p0
IN-R
MUTE
IN-R
AUDIO-R
3D26
18K
ID50
2D25
47n
3D27
22K
2D26
1n0
GND-SA
GND-SA
ID31
VP
7D00-2
LM393PT
VN
3D28
3K3
3D30
22K
ID35
3D31
1K2
7D30
BC847BW
ID36
2D27
10n
ID34
3D33
22K
ID39
3D32
680R
7D31
BC807-25W
ID37
3D70
22K
SI4532ADY
7D35-1
7D32
BC847BW
ID38
3D40
330R
7D33
BC857BW
GND-LR
ID40
7D35-2
SI4532ADY
ID33
3D34
22K
ID41
7D34
BC817-25W
3D35
1K2
3D48
22K
ID42
ID47
2D31
1m0 25V
2D32
100n
GND-LR
GND-LR
IDB5
ID49
7D37
BC857BW
ID48
3D41
22K
FEEDBACK-R
CPROT
RIGHT-SPEAKER
3D42
0R1
ID60
5D25
22u
FD28
FD26
FD25
1735
B3B-EH-A
GND-LR
2D35
470n
GND-LR
3D43
4R7
ID51
ID52
2D33
1n5
ID53
2D34
1n5
5D26
80R
+12-15V
2D39
100n
5D27
80R
-12-15V
ID45
3D36
3K9
ID25
3D37
100K
ID43
2D28
1n5
2D29
1n5
3D22
470K
2D30
1u0
ID46
3D38
10K
2D45
100n
3D39
560R
GND-SA
GND-SA
2D37
100n
2D38
1m0 25V
GND-LR
GND-LR

3104 313 6108.4

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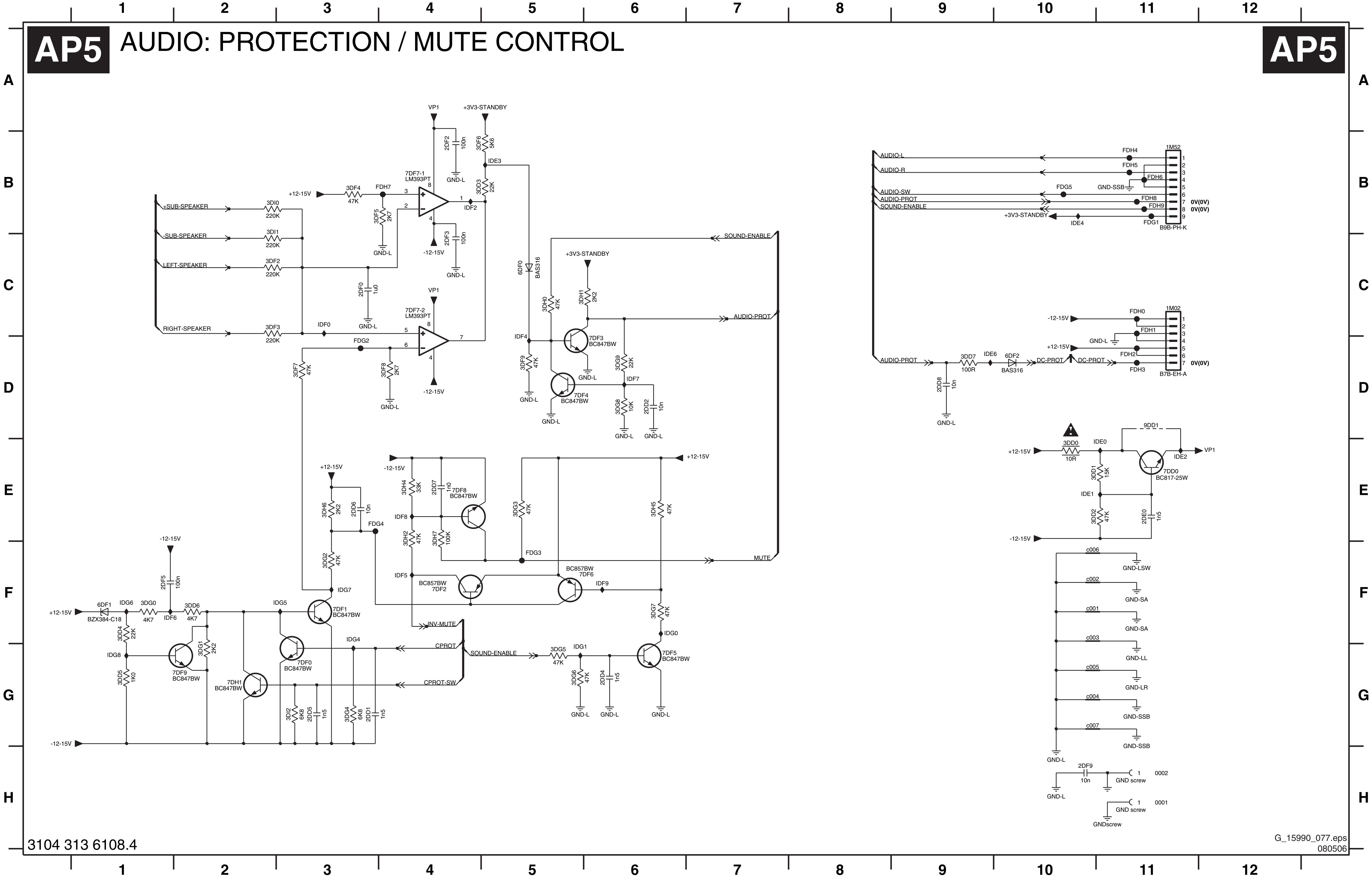
## Platform Supply 42”: Audio Prot / Mute


AP5
AUDIO: PROTECTION / MUTE CONTROL
AP5
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G H
+SUB-SPEAKER
-SUB-SPEAKER
LEFT-SPEAKER
RIGHT-SPEAKER
3DI0 220K
3DI1 220K
3DF2 220K
3DF3 220K
IDF0
FDG2
+12-15V
3DF4 47K
FDH7
3DF5 2K7
GND-L
2DF0 1u0
7DF7-1 LM393PT
7DF7-2 LM393PT
VP1
+3V3-STANDBY
2DF2 100n
2DF3 100n
3DF6 5K6
IDE3
3DD3 22K
IDF2
-12-15V
3DF7 47K
3DF8 2K7
6DF0 BAS316
3DH0 47K
3DH1 2K2
IDF4
7DF3 BC847BW
7DF4 BC847BW
3DF9 47K
3DG9 22K
IDF7
3DG8 10K
2DD2 10n
SOUND-ENABLE
AUDIO-PROT
MUTE
3DH4 33K
2DD7 1n0
7DF8 BC847BW
IDF8
3DH2 47K
3DH7 100K
3DG3 47K
FDG3
3DH5 47K
3DH6 2K2
2DD6 10n
FDG4
3DG2 47K
IDG7
IDF5
BC857BW 7DF2
BC857BW 7DF6
IDF9
3DG7 47K
IDG0
7DF1 BC847BW
IDG5
2DF5 100n
6DF1 BZX384-C18
IDG6
3DG0 4K7
IDF6
3DD6 4K7
3DD4 22K
IDG8
3DD5 1K0
7DF9 BC847BW
3DG1 2K2
7DH1 BC847BW
7DF0 BC847BW
IDG4
INV-MUTE
CPROT
CPROT-SW
3DI2 6K8
2DD5 1n5
3DG4 6K8
2DD1 1n5
3DG5 47K
IDG1
3DG6 47K
2DD4 1n5
7DF5 BC847BW
AUDIO-L
AUDIO-R
AUDIO-SW
FDH4
FDH5
FDH6
GND-SSB
FDG5
FDH8
FDH9
FDG1
IDE4
1M52
B9B-PH-K
0V(0V)
FDH0
FDH1
FDH2
FDH3
1M02
B7B-EH-A
3DD7 100R
IDE6
6DF2 BAS316
DC-PROT
2DD8 10n
3DD0 10R
IDE0
9DD1
7DD0 BC817-25W
IDE2
3DD1 15K
IDE1
3DD2 47K
2DE0 1n5
c006 GND-LSW
c002 GND-SA
c001 GND-SA
c003 GND-LL
c005 GND-LR
c004 GND-SSB
c007 GND-SSB
2DF9 10n
GND screw 0002
GND screw 0001
GNDscrew
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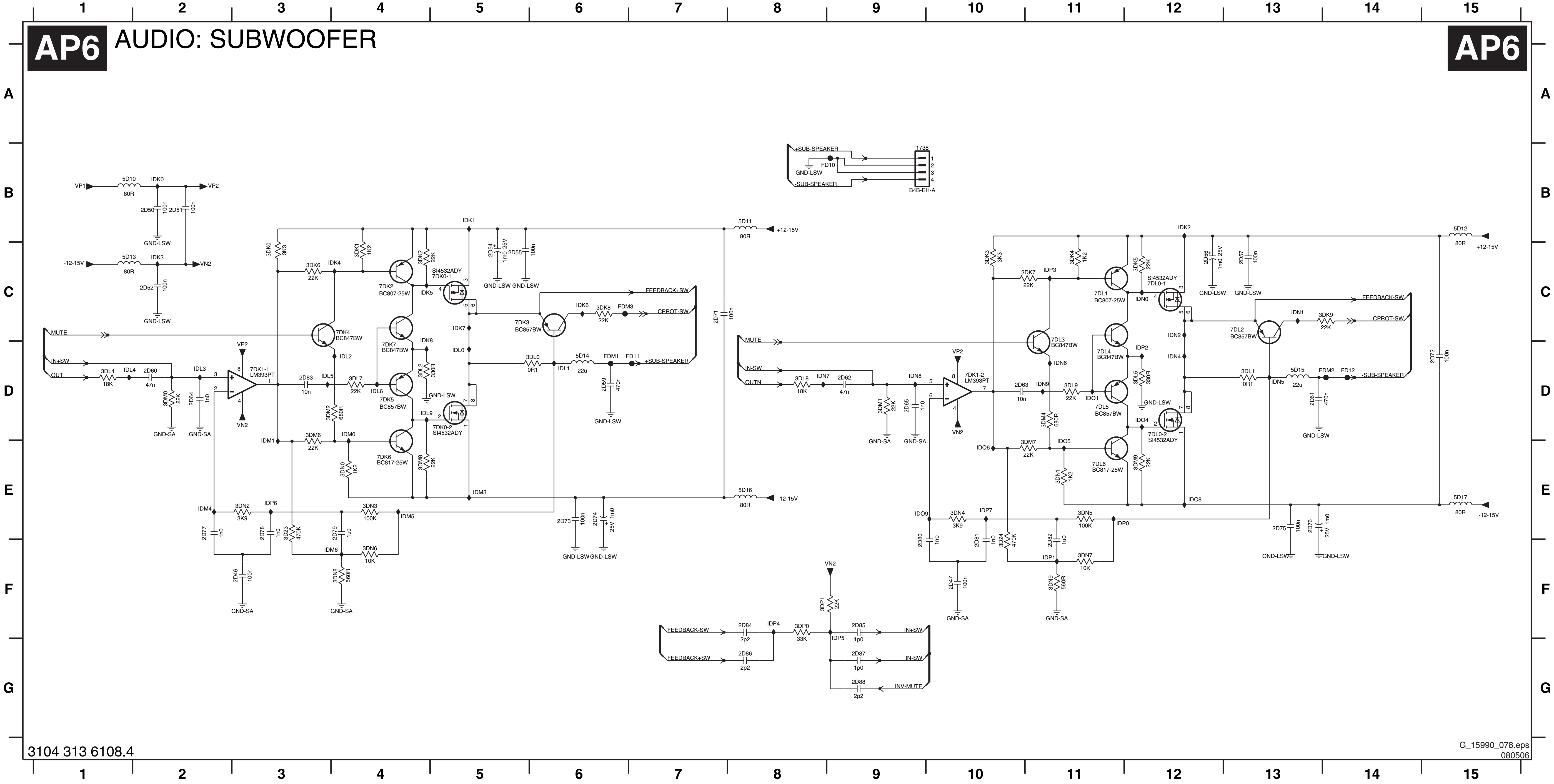
| | |
|---|---|
| 0001 | H11 |
| 0002 | H11 |
| 1M02 | C11 |
| 1M52 | B11 |
| 2DD1 | G3 |
| 2DD2 | D6 |
| 2DD4 | G6 |
| 2DD5 | G3 |
| 2DD6 | E3 |
| 2DD7 | E4 |
| 2DD8 | D9 |
| 2DE0 | E11 |
| 2DF0 | C3 |
| 2DF2 | B4 |
| 2DF3 | C4 |
| 2DF5 | F1 |
| 2DF9 | H10 |
| 3DD0 | E10 |
| 3DD1 | E10 |
| 3DD2 | E10 |
| 3DD3 | B4 |
| 3DD4 | F1 |
| 3DD5 | G1 |
| 3DD6 | F2 |
| 3DD7 | D9 |
| 3DF2 | C2 |
| 3DF3 | C2 |
| 3DF4 | B3 |
| 3DF5 | B3 |
| 3DF6 | B4 |
| 3DF7 | D3 |
| 3DF8 | D4 |
| 3DF9 | D5 |
| 3DG0 | F1 |
| 3DG1 | G2 |
| 3DG2 | F3 |
| 3DG3 | E5 |
| 3DG4 | G3 |
| 3DG5 | G5 |
| 3DG6 | G5 |
| 3DG7 | F6 |
| 3DG8 | D6 |
| 3DG9 | D6 |
| 3DH0 | C5 |
| 3DH1 | C5 |
| 3DH2 | E4 |
| 3DH4 | E4 |
| 3DH5 | E6 |
| 3DH6 | E3 |
| 3DH7 | E4 |
| 3DI0 | B2 |
| 3DI1 | C2 |
| 3DI2 | G3 |
| 6DF0 | C5 |
| 6DF1 | F1 |
| 6DF2 | D10 |
| 7DD0 | E11 |
| 7DF0 | G3 |
| 7DF1 | F3 |
| 7DF2 | F4 |
| 7DF3 | D6 |
| 7DF4 | D6 |
| 7DF5 | G6 |
| 7DF6 | F6 |
| 7DF7-1 | B4 |
| 7DF7-2 | C4 |
| 7DF8 | E4 |
| 7DF9 | G1 |
| 7DH1 | G2 |
| 9DD1 | D11 |
| FDG1 | B11 |
| FDG2 | D3 |
| FDG3 | F5 |
| FDG4 | E3 |
| FDG5 | B10 |
| FDH0 | C11 |
| FDH1 | C11 |
| FDH2 | D11 |
| FDH3 | D11 |
| FDH4 | B11 |
| FDH5 | B11 |
| FDH6 | B11 |
| FDH7 | B4 |
| FDH8 | B11 |
| FDH9 | B11 |
| IDE0 | E11 |
| IDE1 | E10 |
| IDE2 | E11 |
| IDE3 | B5 |
| IDE4 | B10 |
| IDE6 | D10 |
| IDF0 | C3 |
| IDF2 | B4 |
| IDF4 | D5 |
| IDF5 | F4 |
| IDF6 | F1 |
| IDF7 | D6 |
| IDF8 | E4 |
| IDF9 | F6 |
| IDG0 | F6 |
| IDG1 | G5 |
| IDG4 | F3 |
| IDG5 | F3 |
| IDG6 | F1 |
| IDG7 | F3 |
| IDG8 | G1 |
| c001 | F10 |
| c002 | F10 |
| c003 | F10 |
| c004 | G10 |
| c005 | G10 |
| c006 | F10 |
| c007 | G10 |

## Platform Supply 42”: Audio Subwoofer

1738 B9
2D46 F3
2D47 F10
2D50 B2
2D51 B2
2D52 C2
2D54 C5
2D55 C5
2D56 C12
2D57 C13
2D59 D6
2D60 D2
2D61 D13
2D62 D9
2D63 D10
2D64 D2
2D65 D9
2D71 C7
2D72 D15
2D73 E6
2D74 E6
2D75 E13
2D76 E13
2D77 E2
2D78 E3
2D79 E4
2D80 F9
2D81 F10
2D82 F11
2D83 D3
2D84 F8
2D85 F9
2D86 G8
2D87 G9
2D88 G9
3D23 E3
3D24 F10
3DK0 C3
3DK1 C4
3DK2 C4
3DK3 C10
3DK4 C11
3DK5 C12
3DK6 C3
3DK7 C11
3DK8 C6
3DK9 C14
3DL0 D6
3DL1 D13
3DL2 D4
3DL4 D1
3DL5 D12
3DL7 D4
3DL8 D8
3DL9 D11
3DM0 D2
3DM1 D9
3DM2 D3
3DM4 D11
3DM6 D3
3DM7 E11
3DM8 E4
3DM9 E12
3DN0 E4
3DN1 E11
3DN2 E3
3DN3 E4
3DN4 E10
3DN5 E11
3DN6 F4
3DN7 F11
3DN8 F4
3DN9 F11
3DP0 F8
3DP1 F8
5D10 B1
5D11 B8
5D12 B15
5D13 C1
5D14 D6
5D15 D13
5D16 E8
5D17 E15
7DK0-1 C5
7DK0-2 D5
7DK1-1 D3
7DK1-2 D10
7DK2 C4
7DK3 C5
7DK4 C4
7DK5 D4
7DK6 E4
7DK7 D4
7DL0-1 C12
7DL0-2 D12
7DL1 C11
7DL2 C13
7DL3 D11
7DL4 D11
7DL5 D11
7DL6 E11
FD10 B9
FD11 D7
FD12 D14
FDM1 D6
FDM2 D14
FDM3 C6
IDK0 B2
IDK1 B5
IDK2 B12
IDK3 C2
IDK4 C4
IDK5 C4
IDK6 C6
IDK7 C5
IDK8 C4
IDL0 D5
IDL1 D6
IDL2 D4
IDL3 D2
IDL4 D1
IDL5 D3
IDL6 D4
IDL9 D4
IDM0 D4
IDM1 E3
IDM3 E5
IDM4 E2
IDM5 E4
IDM6 F3
IDN0 C12
IDN1 C13
IDN2 C12
IDN4 D12
IDN5 D13
IDN6 D11
IDN7 D8
IDN8 D9
IDN9 D11
IDO1 D11
IDO4 D12
IDO5 E11
IDO6 E10
IDO8 E12
IDO9 E9
IDP0 E11
IDP1 F11
IDP2 D12
IDP3 C11
IDP4 F8
IDP5 F9
IDP6 E3
IDP7 E10


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
AP6
AUDIO: SUBWOOFER
AP6
VP1
5D10
80R
IDK0
VP2
2D50
100n
2D51
100n
GND-LSW
-12-15V
5D13
80R
IDK3
VN2
2D52
100n
+SUB-SPEAKER
FD10
GND-LSW
-SUB-SPEAKER
1738
B4B-EH-A
IDK1
5D11
80R
+12-15V
3DK0
3K3
3DK6
22K
IDK4
3DK1
1K2
3DK2
22K
SI4532ADY
7DK0-1
7DK2
BC807-25W
IDK5
2D54
1m0 25V
2D55
100n
GND-LSW
FEEDBACK+SW
CPROT-SW
7DK3
BC857BW
IDK6
3DK8
22K
FDM3
MUTE
7DK4
BC847BW
7DK7
BC847BW
IDK8
IDK7
IDL0
IDL2
3DL2
330R
VP2
7DK1-1
LM393PT
IN+SW
OUT
3DL4
18K
IDL4
2D60
47n
IDL3
2D83
10n
IDL5
3DL7
22K
IDL6
7DK5
BC857BW
GND-LSW
3DL0
0R1
IDL1
5D14
22u
FDM1
FD11
+SUB-SPEAKER
2D59
470n
GND-LSW
2D71
100n
3DM0
22K
2D64
1n0
GND-SA
VN2
3DM2
680R
IDL9
7DK0-2
SI4532ADY
IDM1
3DM6
22K
IDM0
7DK6
BC817-25W
3DM8
22K
3DN0
1K2
IDM3
5D16
80R
-12-15V
IDM4
3DN2
3K9
IDP6
3DN3
100K
IDM5
2D73
100n
2D74
25V 1m0
GND-LSW
2D77
1n0
2D78
1n0
3D23
470K
2D79
1u0
IDM6
3DN6
10K
2D46
100n
GND-SA
3DN8
560R
IDK2
5D12
80R
+12-15V
3DK3
3K3
3DK7
22K
IDP3
3DK4
1K2
3DK5
22K
SI4532ADY
7DL0-1
7DL1
BC807-25W
IDN0
2D56
1m0 25V
2D57
100n
FEEDBACK-SW
IDN1
3DK9
22K
CPROT-SW
7DL2
BC857BW
IDN2
7DL3
BC847BW
IDP2
7DL4
BC847BW
IDN4
IDN6
3DL5
330R
MUTE
IN-SW
OUTN
3DL8
18K
IDN7
2D62
47n
IDN8
7DK1-2
LM393PT
2D63
10n
IDN9
3DL9
22K
IDO1
7DL5
BC857BW
3DL1
0R1
IDN5
5D15
22u
FDM2
FD12
-SUB-SPEAKER
2D61
470n
2D72
100n
3DM1
22K
2D65
1n0
3DM4
680R
IDO4
7DL0-2
SI4532ADY
IDO6
3DM7
22K
IDO5
7DL6
BC817-25W
3DM9
22K
3DN1
1K2
IDO8
5D17
80R
-12-15V
IDO9
3DN4
3K9
IDP7
3DN5
100K
IDP0
2D80
1n0
2D81
1n0
3D24
470K
2D82
1u0
IDP1
3DN7
10K
2D75
100n
2D76
25V 1m0
2D47
100n
3DN9
560R
VN2
3DP1
22K
FEEDBACK-SW
2D84
2p2
IDP4
3DP0
33K
IDP5
2D85
1p0
IN+SW
FEEDBACK+SW
2D86
2p2
2D87
1p0
IN-SW
2D88
2p2
INV-MUTE
3104 313 6108.4
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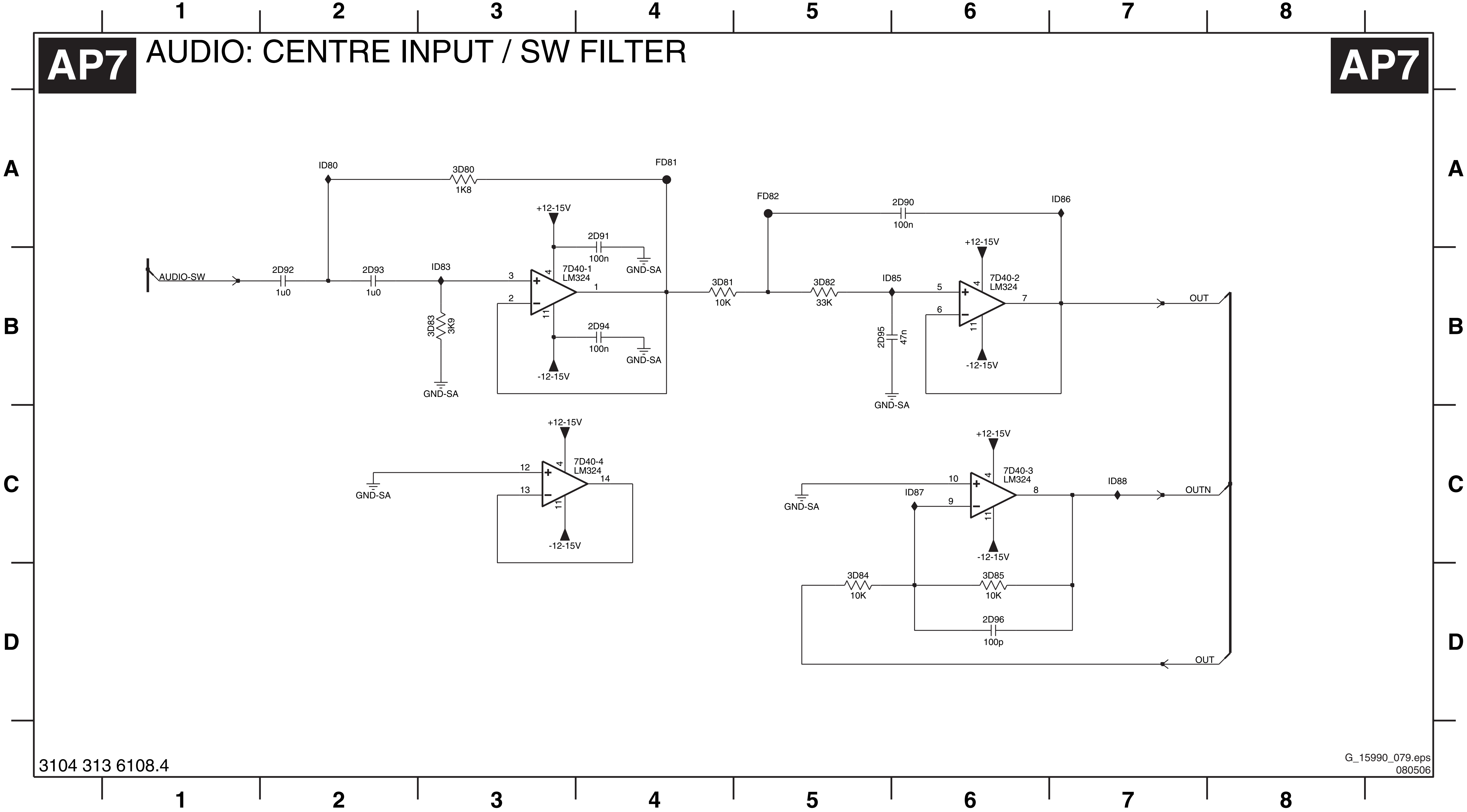
080506

## Platform Supply 42”: Audio Centre


1 2 3 4 5 6 7 8
A B C D
AP7
AUDIO: CENTRE INPUT / SW FILTER
AP7
AUDIO-SW
2D92
1u0
2D93
1u0
ID80
3D80
1K8
FD81
ID83
3D83
3K9
GND-SA
+12-15V
2D91
100n
GND-SA
7D40-1
LM324
2D94
100n
GND-SA
-12-15V
3D81
10K
FD82
2D90
100n
ID86
3D82
33K
ID85
2D95
47n
GND-SA
+12-15V
7D40-2
LM324
-12-15V
OUT
+12-15V
7D40-4
LM324
GND-SA
-12-15V
+12-15V
7D40-3
LM324
GND-SA
ID87
ID88
OUTN
-12-15V
3D84
10K
3D85
10K
2D96
100p
OUT
3104 313 6108.4
G_15990_079.eps
080506

| | |
|---|---|
| 2D90 | A6 |
| 2D91 | A4 |
| 2D92 | B2 |
| 2D93 | B2 |
| 2D94 | B4 |
| 2D95 | B5 |
| 2D96 | D6 |
| 3D80 | A3 |
| 3D81 | B4 |
| 3D82 | B5 |
| 3D83 | B3 |
| 3D84 | D5 |
| 3D85 | D6 |
| 7D40-1 | B3 |
| 7D40-2 | B6 |
| 7D40-3 | C6 |
| 7D40-4 | C3 |
| FD81 | A4 |
| FD82 | A5 |
| ID80 | A2 |
| ID83 | B3 |
| ID85 | B6 |
| ID86 | A7 |
| ID87 | C6 |
| ID88 | C7 |

# Platform Supply 42”: SRP List

| Net Name | Diagram |
|---|---|
| +12-15V | AP1 (4x) |
| +12-15V | AP4 (4x) |
| +12-15V | AP5 (12x) |
| +12-15V | AP6 (4x) |
| +12-15V | AP7 (8x) |
| +12V | AP1 (4x) |
| +12V_NF | AP1 (2x) |
| +12VAL | AP1 (2x) |
| +25VLP | AP1 (4x) |
| +25VLP | AP2 (1x) |
| +3V3-STANDBY | AP5 (3x) |
| +400V-F | AP1 (2x) |
| +400V-F | AP2 (2x) |
| +400V-F | AP3 (2x) |
| +5V2 | AP1 (6x) |
| +5V2 | AP2 (1x) |
| +5V2-NF | AP1 (1x) |
| +5V2-NF | AP2 (1x) |
| +5V-SW | AP1 (6x) |
| +5V-SW | AP2 (1x) |
| +8V6 | AP1 (3x) |
| +AUX | AP1 (2x) |
| +AUX | AP2 (1x) |
| +DC-F | AP1 (2x) |
| +DC-F | AP3 (2x) |
| +SUB-SPEAKER | AP5 (1x) |
| +SUB-SPEAKER | AP6 (2x) |
| -12-15V | AP1 (4x) |
| -12-15V | AP4 (6x) |
| -12-15V | AP5 (14x) |
| -12-15V | AP6 (6x) |
| -12-15V | AP7 (8x) |
| AL-OFF | AP1 (2x) |
| AUDIO-L | AP4 (1x) |
| AUDIO-L | AP5 (1x) |
| AUDIO-PROT | AP5 (3x) |
| AUDIO-R | AP4 (1x) |
| AUDIO-R | AP5 (1x) |
| AUDIO-SW | AP5 (1x) |
| AUDIO-SW | AP7 (1x) |
| BOOST | AP1 (2x) |
| CPROT | AP4 (2x) |
| CPROT | AP5 (1x) |
| CPROT-SW | AP5 (1x) |
| CPROT-SW | AP6 (2x) |
| -DC-F | AP1 (2x) |
| -DC-F | AP3 (2x) |
| DC-PROT | AP1 (1x) |
| DC-PROT | AP5 (2x) |
| DIM-CONTROL | AP1 (2x) |
| FEEDBACK+SW | AP6 (2x) |
| FEEDBACK-L | AP4 (2x) |
| FEEDBACK-R | AP4 (2x) |
| FEEDBACK-SW | AP6 (2x) |
| GND-AL | AP1 (2x) |
| GNDHA | AP1 (40x) |
| GNDHA | AP2 (20x) |
| GNDHA | AP3 (2x) |
| GNDHOT | AP3 (2x) |
| GND-L | AP1 (2x) |
| GND-L | AP4 (4x) |
| GND-L | AP5 (34x) |
| GND-LL | AP4 (7x) |
| GND-LL | AP5 (1x) |
| GND-LR | AP4 (7x) |
| GND-LR | AP5 (1x) |
| GND-LSW | AP5 (1x) |
| GND-LSW | AP6 (15x) |
| GND-S | AP1 (11x) |
| GND-SA | AP4 (8x) |
| GND-SA | AP5 (2x) |
| GND-SA | AP6 (8x) |
| GND-SA | AP7 (6x) |
| GNDscrew | AP3 (2x) |
| GNDscrew | AP5 (2x) |
| GND-SSB | AP5 (3x) |
| GND-SSP | AP1 (51x) |
| GND-SSP | AP2 (15x) |
| IN+SW | AP6 (2x) |
| IN-L | AP4 (2x) |
| IN-R | AP4 (2x) |
| IN-SW | AP6 (2x) |
| INV-MUTE | AP4 (1x) |
| INV-MUTE | AP5 (1x) |
| INV-MUTE | AP6 (1x) |
| LEFT-SPEAKER | AP4 (1x) |
| LEFT-SPEAKER | AP5 (1x) |
| MUTE | AP4 (2x) |
| MUTE | AP5 (1x) |
| MUTE | AP6 (2x) |
| ON-OFF | AP1 (3x) |
| OUT | AP6 (1x) |
| OUT | AP7 (2x) |
| OUTN | AP6 (1x) |
| OUTN | AP7 (1x) |
| POWER-GOOD | AP1 (2x) |
| POWER-OK-PLATFORM | AP1 (2x) |
| RIGHT-SPEAKER | AP4 (1x) |
| RIGHT-SPEAKER | AP5 (1x) |
| SOUND-ENABLE | AP5 (3x) |
| STANDBY | AP1 (5x) |
| STANDBY | AP2 (1x) |
| -SUB-SPEAKER | AP5 (1x) |
| -SUB-SPEAKER | AP6 (2x) |
| V-CLAMP | AP1 (1x) |
| V-CLAMP | AP3 (2x) |
| VN | AP4 (4x) |

## 1.1. Introduction

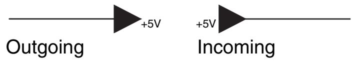
SRP (Service Reference Protocol) is a software tool that creates a list with all references to signal lines. The list contains references to the signals within all schematics of a PWB. It replaces the text references currently printed next to the signal names in the schematics. These printed references are created manually and are therefore not guaranteed to be 100% correct. In addition, in the current crowded schematics there is often none or very little place for these references.
Some of the PWB schematics will use SRP while others will still use the manual references. Either there will be an SRP reference list for a schematic, or there will be printed references in the schematic.

## 1.2. Non-SRP Schematics

There are several different signals available in a schematic:

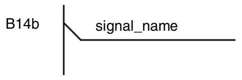
### 1.2.1. Power Supply Lines

All power supply lines are available in the supply line overview (see chapter 6). In the schematics (see chapter 7) is not indicated where supplies are coming from or going to.
It is however indicated if a supply is incoming (created elsewhere), or outgoing (created or adapted in the current schematic).



### 1.2.2. Normal Signals

For normal signals, a schematic reference (e.g. B14b) is placed next to the signals.

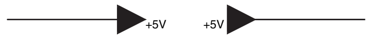


### 1.2.3. Grounds

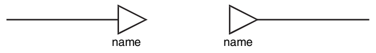
For normal and special grounds (e.g. GNDHOT or GND3V3 etc.), nothing is indicated.

## 1.3. SRP Schematics

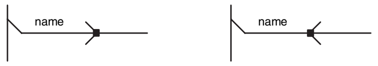
SRP is a tool, which automatically creates a list with signal references, indicating on which schematic the signals are used.
A reference is created for all signals indicated with an SRP symbol, these symbols are:



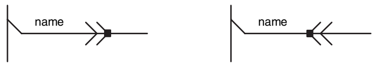
Power supply line.



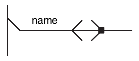
Stand alone signal or switching line (used as less as possible).



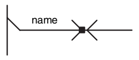
Signal line into a wire tree.



Switching line into a wire tree.



Bi-directional line (e.g. SDA) into a wire tree.



Signal line into a wire tree, its direction depends on the circuit (e.g. ingoing for PDP, outgoing for LCD sets).

**Remarks:**

- When there is a black dot on the "signal direction arrow" it is an SRP symbol, so there will be a reference to the signal name in the SRP list.
- All references to normal grounds (Ground symbols without additional text) are not listed in the reference list, this to keep it concise.
- Signals that are not used in multiple schematics, but only once or several times in the same schematic, are included in the SRP reference list, but only with one reference.

**Additional Tip:**

When using the PDF service manual file, you can very easily search for signal names and follow the signal over all the schematics. In Adobe PDF reader:

- Select the signal name you want to search for, with the "Select text" tool.
- Copy and paste the signal name in the "Search PDF" tool.
- Search for all occurrences of the signal name.
- Now you can quickly jump between the different occurrences and follow the signal over all schematics. It is advised to "zoom in" to e.g. 150% to see clearly, which text is selected. Then you can zoom out, to get an overview of the complete schematic.

**PS.** It is recommended to use at least Adobe PDF (reader) version 6.x, due to better search possibilities in this version.

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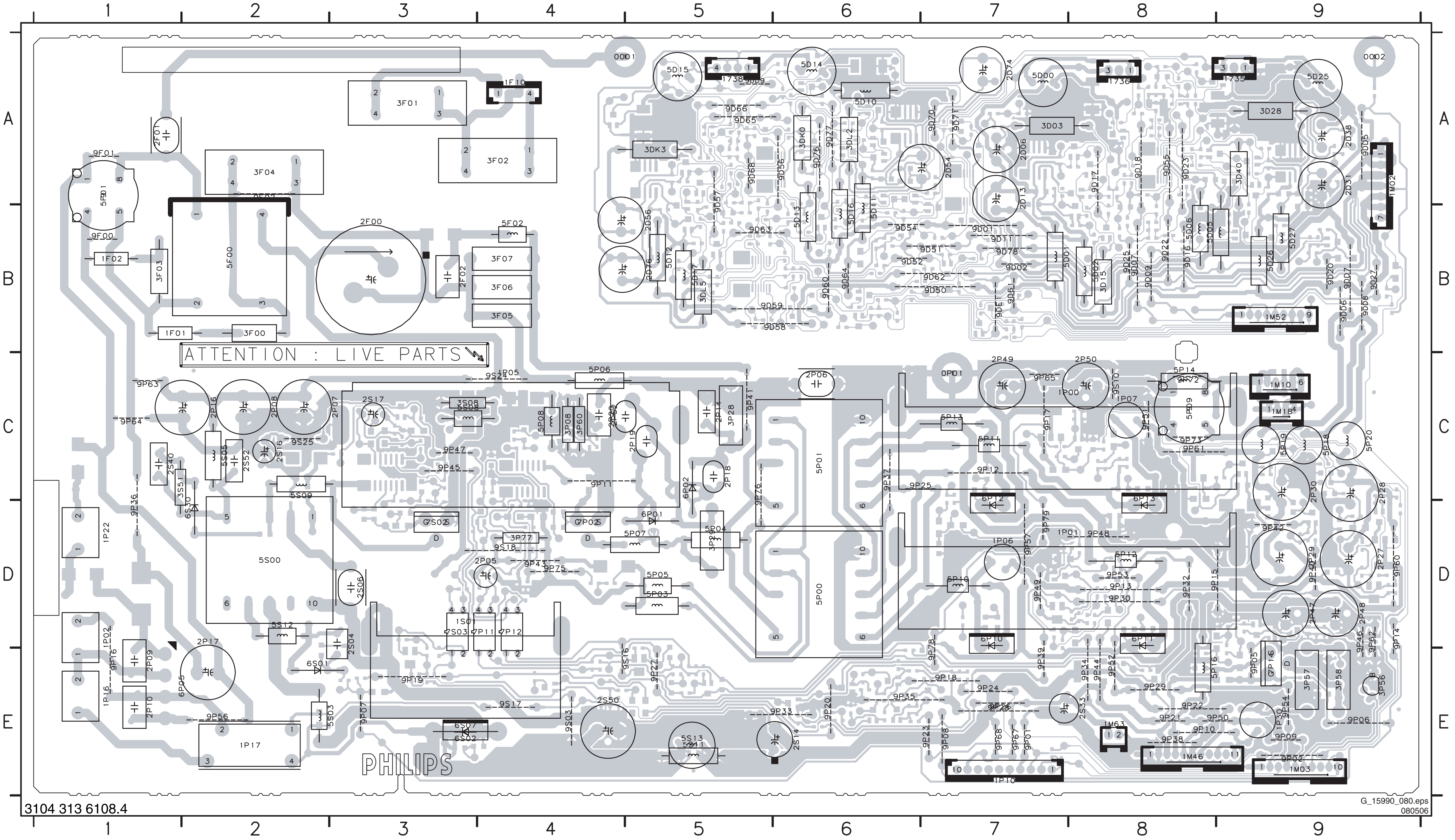
## Layout Platform Supply 42” (Top Side)

| | |
|---|---|
| 0001 | A5 |
| 0002 | A9 |
| 0P01 | C7 |
| 1735 | A9 |
| 1736 | A8 |
| 1738 | A5 |
| 1F01 | B1 |
| 1F02 | B1 |
| 1F10 | A4 |
| 1M02 | A9 |
| 1M03 | E9 |
| 1M10 | C9 |
| 1M18 | C9 |
| 1M46 | E8 |
| 1M52 | B9 |
| 1M63 | E8 |
| 1P00 | C8 |
| 1P01 | D6 |
| 1P02 | D1 |
| 1P05 | C3 |
| 1P06 | D7 |
| 1P07 | C8 |
| 1P10 | E7 |
| 1P16 | E1 |
| 1P17 | E2 |
| 1P22 | D1 |
| 1P30 | E9 |
| 1S01 | D3 |
| 2D06 | A7 |
| 2D13 | A7 |
| 2D31 | A9 |
| 2D38 | A9 |
| 2D54 | A7 |
| 2D56 | A4 |
| 2D74 | A7 |
| 2D76 | B4 |
| 2F00 | B3 |
| 2F01 | A1 |
| 2F02 | B3 |
| 2P05 | D4 |
| 2P06 | C6 |
| 2P07 | C2 |
| 2P08 | C2 |
| 2P09 | D1 |
| 2P10 | E1 |
| 2P14 | C5 |
| 2P16 | C2 |
| 2P17 | D2 |
| 2P18 | C5 |
| 2P19 | C5 |
| 2P20 | C5 |
| 2P27 | D9 |
| 2P28 | C9 |
| 2P29 | D9 |
| 2P30 | C9 |
| 2P47 | D9 |
| 2P48 | D9 |
| 2P49 | C7 |
| 2P50 | C8 |
| 2P52 | C4 |
| 2S04 | D3 |
| 2S06 | D3 |
| 2S14 | E6 |
| 2S16 | C2 |
| 2S17 | C3 |
| 2S33 | E7 |
| 2S40 | C1 |
| 2S50 | E4 |
| 2S52 | C2 |
| 3D03 | A7 |
| 3D15 | B8 |
| 3D28 | A9 |
| 3D40 | A9 |
| 3DK0 | A6 |
| 3DK3 | A5 |
| 3DL2 | A6 |
| 3DL5 | B5 |
| 3F00 | B2 |
| 3F01 | A3 |
| 3F02 | A4 |
| 3F03 | B1 |
| 3F04 | A2 |
| 3F05 | B3 |
| 3F06 | B3 |
| 3F07 | B3 |
| 3P08 | C4 |
| 3P28 | C5 |
| 3P29 | D5 |
| 3P56 | E9 |
| 3P57 | E9 |
| 3P58 | E9 |
| 3P60 | C4 |
| 3P77 | D4 |
| 3S08 | C3 |
| 3S51 | D1 |
| 5D00 | A7 |
| 5D01 | B7 |
| 5D02 | B8 |
| 5D05 | B9 |
| 5D06 | B8 |
| 5D10 | A6 |
| 5D11 | B6 |
| 5D12 | B5 |
| 5D13 | B6 |
| 5D14 | A6 |
| 5D15 | A5 |
| 5D16 | B6 |
| 5D17 | B5 |
| 5D25 | A9 |
| 5D26 | B9 |
| 5D27 | B9 |
| 5F00 | B2 |
| 5F01 | A1 |
| 5F02 | B4 |
| 5P00 | D6 |
| 5P01 | C6 |
| 5P03 | D4 |
| 5P04 | D5 |
| 5P05 | D4 |
| 5P06 | C4 |
| 5P07 | D5 |
| 5P08 | C4 |
| 5P09 | C9 |
| 5P10 | D7 |
| 5P11 | C7 |
| 5P12 | D8 |
| 5P13 | C7 |
| 5P14 | C8 |
| 5P16 | E8 |
| 5P18 | C9 |
| 5P19 | C9 |
| 5P20 | C9 |
| 5S00 | C2 |
| 5S03 | E3 |
| 5S05 | C2 |
| 5S08 | C3 |
| 5S09 | C2 |
| 5S11 | E5 |
| 5S12 | D2 |
| 5S13 | E5 |
| 6P01 | D5 |
| 6P02 | C5 |
| 6P05 | E2 |
| 6P10 | E7 |
| 6P11 | E8 |
| 6P12 | D7 |
| 6P13 | D8 |
| 6S01 | E2 |
| 6S02 | E3 |
| 6S07 | E3 |
| 6S30 | D2 |
| 7P02 | D4 |
| 7P11 | D4 |
| 7P12 | D4 |
| 7P14 | E9 |
| 7S02 | D3 |
| 7S03 | D3 |
| 9D01 | B7 |
| 9D02 | B7 |
| 9D07 | B8 |
| 9D09 | B8 |
| 9D11 | B7 |
| 9D16 | B8 |
| 9D17 | A8 |
| 9D18 | A8 |
| 9D20 | B9 |
| 9D22 | B8 |
| 9D23 | A8 |
| 9D25 | B8 |
| 9D27 | B9 |
| 9D50 | B7 |
| 9D51 | B7 |
| 9D52 | B6 |
| 9D54 | B6 |
| 9D55 | A8 |
| 9D56 | A6 |
| 9D57 | A5 |
| 9D58 | B6 |
| 9D59 | B5 |
| 9D60 | B6 |
| 9D61 | B7 |
| 9D62 | B7 |
| 9D63 | B5 |
| 9D64 | B6 |
| 9D65 | A5 |
| 9D66 | A5 |
| 9D68 | A5 |
| 9D70 | A7 |
| 9D71 | A7 |
| 9D76 | A6 |
| 9D77 | A6 |
| 9D78 | B7 |
| 9DD5 | A9 |
| 9DD6 | B9 |
| 9DD7 | B9 |
| 9DD8 | B9 |
| 9DD9 | A5 |
| 9DE1 | B7 |
| 9F00 | B1 |
| 9F01 | A1 |
| 9F02 | A2 |
| 9P01 | E7 |
| 9P02 | E9 |
| 9P05 | E9 |
| 9P06 | E9 |
| 9P07 | E3 |
| 9P08 | E7 |
| 9P09 | E9 |
| 9P10 | E8 |
| 9P11 | C4 |
| 9P12 | C7 |
| 9P13 | D8 |
| 9P14 | D9 |
| 9P15 | D9 |
| 9P16 | E1 |
| 9P17 | C7 |
| 9P18 | E7 |
| 9P19 | E3 |
| 9P20 | E6 |
| 9P21 | E8 |
| 9P22 | E8 |
| 9P23 | E7 |
| 9P24 | E7 |
| 9P25 | C6 |
| 9P26 | E7 |
| 9P27 | E5 |
| 9P28 | E7 |
| 9P29 | E8 |
| 9P30 | D8 |
| 9P32 | D8 |
| 9P33 | E6 |
| 9P34 | E8 |
| 9P35 | E6 |
| 9P36 | D1 |
| 9P37 | C6 |
| 9P38 | E8 |
| 9P39 | E7 |
| 9P40 | D9 |
| 9P41 | C5 |
| 9P42 | D9 |
| 9P43 | D4 |
| 9P44 | E8 |
| 9P45 | C4 |
| 9P46 | D9 |
| 9P47 | C3 |
| 9P48 | D8 |
| 9P49 | D7 |
| 9P50 | E9 |
| 9P51 | C8 |
| 9P52 | E8 |
| 9P53 | D8 |
| 9P54 | E9 |
| 9P56 | E2 |
| 9P57 | D7 |
| 9P60 | D9 |
| 9P61 | C8 |
| 9P62 | D9 |
| 9P63 | C1 |
| 9P64 | C1 |
| 9P65 | C7 |
| 9P67 | E7 |
| 9P68 | E7 |
| 9P72 | C8 |
| 9P73 | C8 |
| 9P75 | D4 |
| 9P76 | C5 |
| 9P78 | E7 |
| 9P79 | D7 |
| 9S03 | E4 |
| 9S10 | C8 |
| 9S16 | E5 |
| 9S17 | E4 |
| 9S18 | D4 |
| 9S24 | C4 |
| 9S25 | C2 |



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## Layout Platform Supply 42” (Overview Bottom Side)

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1P03 | D9 | 2D19 | A2 | 2D43 | B3 | 2D65 | A5 | 2D88 | B4 | 2DF0 | A3 | 2P25 | C2 | 2P54 | E4 |
| 2D00 | B2 | 2D20 | A1 | 2D44 | B2 | 2D71 | A4 | 2D90 | B5 | 2DF2 | A3 | 2P26 | D1 | 2P55 | C2 |
| 2D01 | B2 | 2D21 | B2 | 2D45 | A2 | 2D72 | B5 | 2D91 | B4 | 2DF3 | B3 | 2P31 | C2 | 2P56 | E5 |
| 2D02 | A2 | 2D25 | A2 | 2D46 | A5 | 2D73 | A4 | 2D92 | B4 | 2DF5 | B4 | 2P32 | E4 | 2P57 | E5 |
| 2D03 | B2 | 2D26 | A2 | 2D47 | A5 | 2D75 | B5 | 2D93 | B4 | 2DF9 | A1 | 2P33 | D6 | 2P64 | D3 |
| 2D04 | B2 | 2D27 | A2 | 2D50 | A5 | 2D77 | A5 | 2D94 | B5 | 2P01 | E2 | 2P34 | C1 | 2P80 | D3 |
| 2D05 | B2 | 2D28 | A2 | 2D51 | A4 | 2D78 | B5 | 2D95 | B4 | 2P02 | D2 | 2P35 | D1 | 2S07 | D7 |
| 2D07 | A3 | 2D29 | A2 | 2D52 | A4 | 2D79 | B5 | 2D96 | B5 | 2P03 | C6 | 2P36 | E4 | 2S13 | E6 |
| 2D08 | A3 | 2D30 | A2 | 2D55 | A4 | 2D80 | A5 | 2DD1 | A3 | 2P04 | C6 | 2P37 | C1 | 2S15 | C7 |
| 2D09 | A3 | 2D32 | B1 | 2D57 | B5 | 2D81 | A5 | 2DD2 | B4 | 2P11 | D6 | 2P38 | D3 | 2S18 | C7 |
| 2D10 | A2 | 2D33 | A1 | 2D59 | A4 | 2D82 | A5 | 2DD4 | B4 | 2P12 | E5 | 2P39 | D1 | 2S39 | E2 |
| 2D12 | A3 | 2D34 | A1 | 2D60 | B5 | 2D83 | A4 | 2DD5 | A4 | 2P13 | D1 | 2P40 | E5 | 2S41 | E8 |
| 2D14 | A3 | 2D35 | A1 | 2D61 | A5 | 2D84 | A5 | 2DD6 | B3 | 2P21 | D1 | 2P42 | D2 | 2S54 | E6 |
| 2D16 | A2 | 2D37 | A1 | 2D62 | B5 | 2D85 | B4 | 2DD7 | B4 | 2P22 | C1 | 2P43 | C3 | 2S56 | E1 |
| 2D17 | A2 | 2D39 | A1 | 2D63 | B5 | 2D86 | A4 | 2DD8 | B1 | 2P23 | D1 | 2P45 | E3 | 3999 | D3 |
| 2D18 | A2 | 2D40 | A2 | 2D64 | B5 | 2D87 | B4 | 2DE0 | B1 | 2P24 | E1 | 2P53 | D1 | 3D01 | B2 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3D02 | B2 | 3D21 | A2 | 3D41 | A2 | 3DD3 | B3 | 3DG3 | B4 | 3DI2 | A4 | 3DM1 | A5 | 3DN9 | A5 |
| 3D05 | B2 | 3D22 | A2 | 3D42 | A2 | 3DD4 | B4 | 3DG4 | A3 | 3DK1 | A4 | 3DM2 | A4 | 3DP0 | B4 |
| 3D06 | A2 | 3D23 | A5 | 3D43 | A1 | 3DD5 | B4 | 3DG5 | B3 | 3DK2 | A4 | 3DM4 | B5 | 3DP1 | B4 |
| 3D07 | B2 | 3D24 | A5 | 3D46 | A3 | 3DD6 | B4 | 3DG6 | B4 | 3DK4 | A5 | 3DM6 | A4 | 3P00 | C1 |
| 3D08 | A2 | 3D26 | A2 | 3D48 | A1 | 3DD7 | B1 | 3DG7 | B4 | 3DK5 | A5 | 3DM7 | B5 | 3P01 | D1 |
| 3D09 | B2 | 3D27 | A2 | 3D69 | A3 | 3DF2 | A3 | 3DG8 | B4 | 3DK6 | A4 | 3DM8 | A4 | 3P02 | C1 |
| 3D10 | B2 | 3D30 | B1 | 3D70 | A1 | 3DF3 | A3 | 3DG9 | B3 | 3DK7 | B5 | 3DM9 | B5 | 3P03 | D1 |
| 3D11 | A2 | 3D31 | B1 | 3D80 | B4 | 3DF4 | B3 | 3DH0 | B3 | 3DK8 | A4 | 3DN0 | A4 | 3P04 | D6 |
| 3D12 | A2 | 3D32 | B1 | 3D81 | B5 | 3DF5 | B3 | 3DH1 | B3 | 3DK9 | A4 | 3DN1 | B5 | 3P05 | C2 |
| 3D13 | A2 | 3D33 | A2 | 3D82 | B5 | 3DF6 | B3 | 3DH2 | B4 | 3DL0 | A4 | 3DN2 | A5 | 3P06 | D2 |
| 3D14 | B2 | 3D34 | A2 | 3D83 | B4 | 3DF7 | A3 | 3DH4 | B4 | 3DL1 | A5 | 3DN3 | A5 | 3P07 | C6 |
| 3D16 | A2 | 3D35 | A1 | 3D84 | B5 | 3DF8 | A3 | 3DH5 | B4 | 3DL4 | B4 | 3DN4 | A5 | 3P09 | D1 |
| 3D17 | A2 | 3D36 | A2 | 3D85 | B5 | 3DF9 | B4 | 3DH6 | B3 | 3DL7 | A4 | 3DN5 | A5 | 3P10 | D1 |
| 3D18 | A3 | 3D37 | A2 | 3DD0 | B1 | 3DG0 | B4 | 3DH7 | B4 | 3DL8 | B5 | 3DN6 | A5 | 3P11 | C1 |
| 3D19 | A2 | 3D38 | A2 | 3DD1 | B1 | 3DG1 | B4 | 3DI0 | A4 | 3DL9 | B5 | 3DN7 | A5 | 3P12 | E5 |
| 3D20 | A2 | 3D39 | A2 | 3DD2 | B1 | 3DG2 | B3 | 3DI1 | A4 | 3DM0 | B5 | 3DN8 | B5 | 3P13 | D6 |

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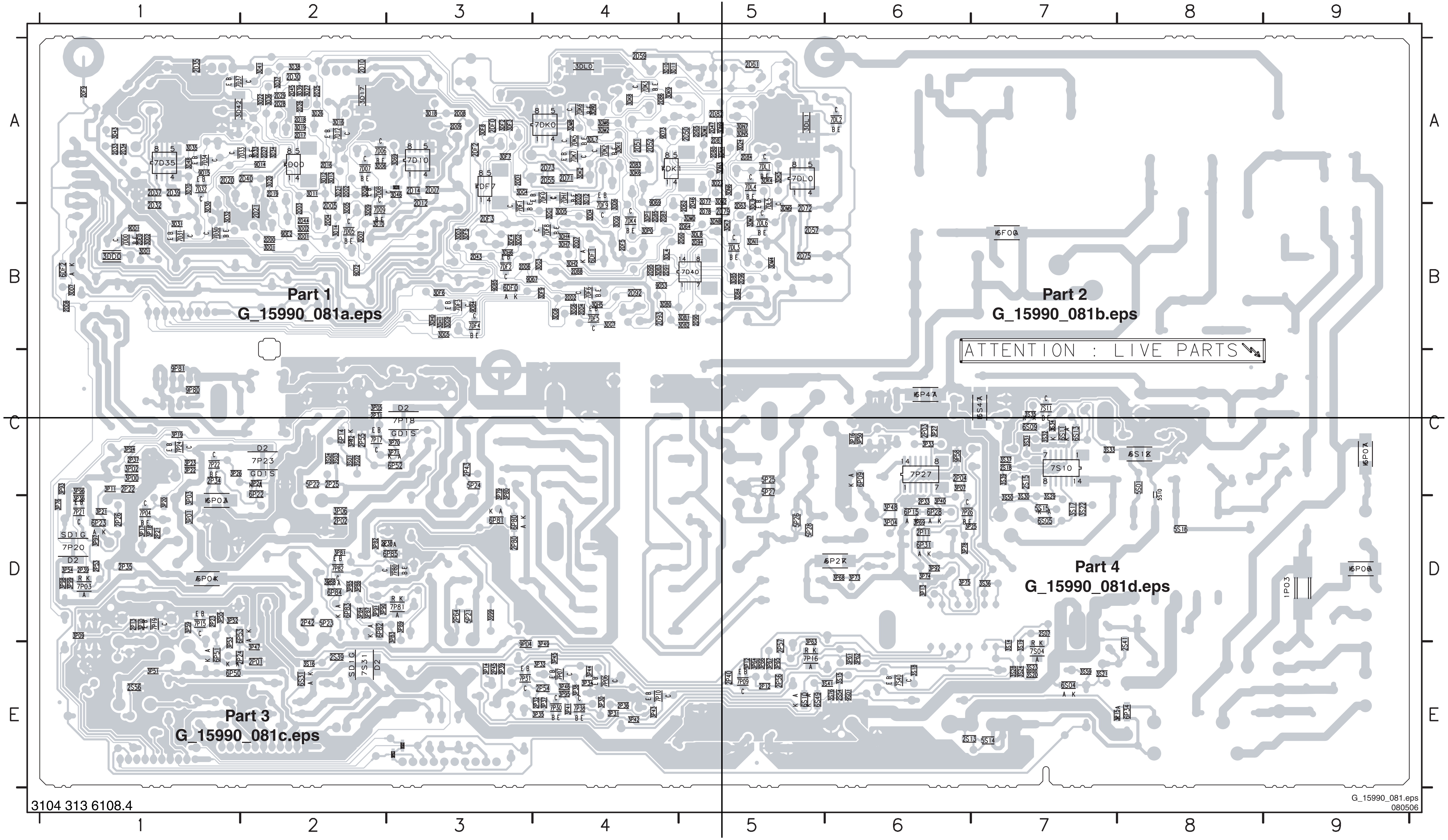
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3P14 | E3 | 3P32 | E4 | 3P48 | D6 | 3P68 | D6 | 3P85 | D2 | 3S02 | C2 | 3S30 | D7 | 5P24 | C3 |
| 3P15 | E7 | 3P33 | C6 | 3P49 | E4 | 3P69 | D6 | 3P86 | D2 | 3S03 | C2 | 3S31 | C7 | 5P25 | C5 |
| 3P16 | C6 | 3P34 | E4 | 3P50 | C6 | 3P70 | C3 | 3P87 | D2 | 3S04 | C2 | 3S32 | C7 | 5P26 | D5 |
| 3P17 | D1 | 3P35 | E4 | 3P51 | E1 | 3P71 | C3 | 3P88 | D2 | 3S14 | E7 | 3S33 | C7 | 5P27 | C5 |
| 3P18 | D1 | 3P36 | D1 | 3P52 | D1 | 3P72 | C2 | 3P89 | D3 | 3S15 | E6 | 3S34 | C7 | 5P28 | D5 |
| 3P19 | C1 | 3P37 | E4 | 3P53 | E1 | 3P73 | D6 | 3P90 | D2 | 3S16 | E2 | 3S35 | C7 | 5S01 | C8 |
| 3P20 | D1 | 3P38 | E4 | 3P54 | D1 | 3P74 | D6 | 3P91 | D2 | 3S17 | D7 | 3S36 | D7 | 5S10 | C8 |
| 3P21 | D1 | 3P39 | E3 | 3P55 | D1 | 3P75 | D6 | 3P92 | D6 | 3S18 | E6 | 3S37 | C7 | 5S14 | E7 |
| 3P22 | C1 | 3P40 | D6 | 3P59 | D1 | 3P76 | D1 | 3P93 | C1 | 3S19 | E7 | 3S39 | C7 | 5S15 | D7 |
| 3P23 | C1 | 3P41 | E4 | 3P61 | E6 | 3P78 | D6 | 3P94 | C1 | 3S20 | E7 | 3S41 | E6 | 5S16 | D8 |
| 3P24 | C2 | 3P42 | E4 | 3P62 | E6 | 3P79 | C3 | 3P95 | E4 | 3S21 | E7 | 3S50 | D7 | 6DF0 | B3 |
| 3P25 | D6 | 3P43 | E4 | 3P63 | E5 | 3P80 | C3 | 3P96 | C1 | 3S22 | D7 | 3S59 | E7 | 6DF1 | B4 |
| 3P26 | C1 | 3P44 | E4 | 3P64 | E5 | 3P81 | D2 | 3P97 | D1 | 3S23 | E7 | 3S76 | E6 | 6DF2 | B1 |
| 3P27 | C6 | 3P45 | E4 | 3P65 | E5 | 3P82 | D2 | 3P98 | D1 | 3S24 | E7 | 5P21 | D3 | 6F00 | B7 |
| 3P30 | E4 | 3P46 | E4 | 3P66 | E5 | 3P83 | D3 | 3P99 | D1 | 3S28 | E7 | 5P22 | C2 | 6P03 | D1 |
| 3P31 | E4 | 3P47 | E2 | 3P67 | E5 | 3P84 | D2 | 3S01 | C2 | 3S29 | D7 | 5P23 | D2 | 6P04 | D1 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6P06 | D9 | 6P80 | D3 | 7D00 | A2 | 7DD0 | B1 | 7DK4 | B4 | 7P10 | E4 | 7P80 | D3 | 9D84 | B3 |
| 6P07 | C9 | 6P81 | D3 | 7D05 | B2 | 7DF0 | A4 | 7DK5 | A4 | 7P15 | D1 | 7P81 | D3 | 9D85 | B3 |
| 6P09 | C6 | 6P82 | D2 | 7D06 | A2 | 7DF1 | B3 | 7DK6 | A4 | 7P16 | E5 | 7P82 | D2 | 9DD1 | B1 |
| 6P14 | C2 | 6P83 | D2 | 7D07 | A2 | 7DF2 | B3 | 7DK7 | A4 | 7P17 | C2 | 7S04 | E7 | 9DE2 | B2 |
| 6P15 | D6 | 6P84 | D2 | 7D08 | A2 | 7DF3 | B3 | 7DL0 | A5 | 7P18 | C3 | 7S10 | C7 | 9P03 | E3 |
| 6P22 | C2 | 6P85 | D2 | 7D09 | B2 | 7DF4 | B3 | 7DL1 | A5 | 7P19 | D1 | 7S11 | C7 | 9P04 | E3 |
| 6P23 | D1 | 6S04 | E7 | 7D10 | A3 | 7DF5 | B4 | 7DL2 | A6 | 7P20 | D1 | 7S31 | E2 | 9P58 | C6 |
| 6P27 | D6 | 6S05 | D7 | 7D12 | A2 | 7DF6 | B4 | 7DL3 | B5 | 7P21 | D1 | 7S40 | E6 | 9P80 | C1 |
| 6P28 | D6 | 6S09 | C7 | 7D30 | B1 | 7DF7 | A3 | 7DL4 | A5 | 7P22 | C1 | 9D14 | A2 | 9P81 | C1 |
| 6P31 | D6 | 6S10 | E5 | 7D31 | B1 | 7DF8 | B4 | 7DL5 | B5 | 7P23 | C2 | 9D15 | A1 | 9S01 | E6 |
| 6P34 | E8 | 6S11 | C7 | 7D32 | A1 | 7DF9 | B4 | 7DL6 | B5 | 7P24 | C1 | 9D28 | A3 | 9S02 | E3 |
| 6P47 | C6 | 6S12 | C8 | 7D33 | A2 | 7DH1 | A4 | 7P03 | D1 | 7P26 | D6 | 9D53 | B4 | | |
| 6P50 | E1 | 6S13 | C7 | 7D34 | A1 | 7DK0 | A4 | 7P04 | D1 | 7P27 | C6 | 9D67 | B3 | | |
| 6P51 | E1 | 6S31 | E2 | 7D35 | A1 | 7DK1 | A5 | 7P06 | E4 | 7P30 | E4 | 9D69 | A4 | | |
| 6P52 | C3 | 6S47 | C7 | 7D37 | A1 | 7DK2 | A4 | 7P07 | E4 | 7P31 | E3 | 9D72 | B2 | | |
| 6P53 | D2 | 6S49 | E5 | 7D40 | B5 | 7DK3 | A4 | 7P09 | E5 | 7P38 | E4 | 9D73 | A4 | | |



# Layout Platform Supply 42” (Part 1 Bottom Side)

| | |
|---|---|
| 1P03 | D9 |
| 2D00 | B2 |
| 2D01 | B2 |
| 2D02 | A2 |
| 2D03 | B2 |
| 2D04 | B2 |
| 2D05 | B2 |
| 2D07 | A3 |
| 2D08 | A3 |
| 2D09 | A3 |
| 2D10 | A2 |
| 2D12 | A3 |
| 2D14 | A3 |
| 2D16 | A2 |
| 2D17 | A2 |
| 2D18 | A2 |
| 2D19 | A2 |
| 2D20 | A1 |
| 2D21 | B2 |
| 2D25 | A2 |
| 2D26 | A2 |
| 2D27 | A2 |
| 2D28 | A2 |
| 2D29 | A2 |
| 2D30 | A2 |
| 2D32 | B1 |
| 2D33 | A1 |
| 2D34 | A1 |
| 2D35 | A1 |
| 2D37 | A1 |
| 2D39 | A1 |
| 2D40 | A2 |
| 2D43 | B3 |
| 2D44 | B2 |
| 2D45 | A2 |
| 2D46 | A5 |
| 2D47 | A5 |
| 2D50 | A5 |
| 2D51 | A4 |
| 2D52 | A4 |
| 2D55 | A4 |
| 2D57 | B5 |
| 2D59 | A4 |
| 2D60 | B5 |
| 2D61 | A5 |
| 2D62 | B5 |
| 2D63 | B5 |
| 2D64 | B5 |
| 2D65 | A5 |
| 2D71 | A4 |
| 2D72 | B5 |
| 2D73 | A4 |
| 2D75 | B5 |
| 2D77 | A5 |
| 2D78 | B5 |
| 2D79 | B5 |
| 2D80 | A5 |
| 2D81 | A5 |
| 2D82 | A5 |
| 2D83 | A4 |
| 2D84 | A5 |
| 2D85 | B4 |
| 2D86 | A4 |
| 2D87 | B4 |
| 2D88 | B4 |
| 2D90 | B5 |
| 2D91 | B4 |
| 2D92 | B4 |
| 2D93 | B4 |
| 2D94 | B5 |
| 2D95 | B4 |
| 2D96 | B5 |
| 2DD1 | A3 |
| 2DD2 | B4 |
| 2DD4 | B4 |
| 2DD5 | A4 |
| 2DD6 | B3 |
| 2DD7 | B4 |
| 2DD8 | B1 |
| 2DE0 | B1 |
| 2DF0 | A3 |
| 2DF2 | A3 |
| 2DF3 | B3 |
| 2DF5 | B4 |
| 2DF9 | A1 |
| 2P01 | E2 |
| 2P02 | D2 |
| 2P03 | C6 |
| 2P04 | C6 |
| 2P11 | D6 |
| 2P12 | E5 |
| 2P13 | D1 |
| 2P21 | D1 |
| 2P22 | C1 |
| 2P23 | D1 |
| 2P24 | E1 |
| 2P25 | C2 |
| 2P26 | D1 |
| 2P31 | C2 |
| 2P32 | E4 |
| 2P33 | D6 |
| 2P34 | C1 |
| 2P35 | D1 |
| 2P36 | E4 |
| 2P37 | C1 |
| 2P38 | D3 |
| 2P39 | D1 |
| 2P40 | E5 |
| 2P42 | D2 |
| 2P43 | C3 |
| 2P45 | E3 |
| 2P53 | D1 |
| 2P54 | E4 |
| 2P55 | C2 |
| 2P56 | E5 |
| 2P57 | E5 |
| 2P64 | D3 |
| 2P80 | D3 |
| 2S07 | D7 |
| 2S13 | E6 |
| 2S15 | C7 |
| 2S18 | C7 |
| 2S39 | E2 |
| 2S41 | E8 |
| 2S54 | E6 |
| 2S56 | E1 |
| 3999 | D3 |
| 3D01 | B2 |
| 3D02 | B2 |
| 3D05 | B2 |
| 3D06 | A2 |
| 3D07 | B2 |
| 3D08 | A2 |
| 3D09 | B2 |
| 3D10 | B2 |
| 3D11 | A2 |
| 3D12 | A2 |
| 3D13 | A2 |
| 3D14 | B2 |
| 3D16 | A2 |
| 3D17 | A2 |
| 3D18 | A3 |
| 3D19 | A2 |
| 3D20 | A2 |
| 3D21 | A2 |
| 3D22 | A2 |
| 3D23 | A5 |
| 3D24 | A5 |
| 3D26 | A2 |
| 3D27 | A2 |
| 3D30 | B1 |
| 3D31 | B1 |
| 3D32 | B1 |
| 3D33 | A2 |
| 3D34 | A2 |
| 3D35 | A1 |
| 3D36 | A2 |
| 3D37 | A2 |
| 3D38 | A2 |
| 3D39 | A2 |
| 3D41 | A2 |
| 3D42 | A2 |
| 3D43 | A1 |
| 3D46 | A3 |
| 3D48 | A1 |
| 3D69 | A3 |
| 3D70 | A1 |
| 3D80 | B4 |
| 3D81 | B5 |
| 3D82 | B5 |
| 3D83 | B4 |
| 3D84 | B5 |
| 3D85 | B5 |
| 3DD0 | B1 |
| 3DD1 | B1 |
| 3DD2 | B1 |
| 3DD3 | B3 |
| 3DD4 | B4 |
| 3DD5 | B4 |
| 3DD6 | B4 |
| 3DD7 | B1 |
| 3DF2 | A3 |
| 3DF3 | A3 |
| 3DF4 | B3 |
| 3DF5 | B3 |
| 3DF6 | B3 |
| 3DF7 | A3 |
| 3DF8 | A3 |
| 3DF9 | B4 |
| 3DG0 | B4 |
| 3DG1 | B4 |
| 3DG2 | B3 |
| 3DG3 | B4 |
| 3DG4 | A3 |
| 3DG5 | B3 |
| 3DG6 | B4 |
| 3DG7 | B4 |
| 3DG8 | B4 |
| 3DG9 | B3 |
| 3DH0 | B3 |
| 3DH1 | B3 |
| 3DH2 | B4 |
| 3DH4 | B4 |
| 3DH5 | B4 |
| 3DH6 | B3 |
| 3DH7 | B4 |
| 3DI0 | A4 |
| 3DI1 | A4 |
| 3DI2 | A4 |
| 3DK1 | A4 |
| 3DK2 | A4 |
| 3DK4 | A5 |
| 3DK5 | A5 |
| 3DK6 | A4 |
| 3DK7 | B5 |
| 3DK8 | A4 |
| 3DK9 | A4 |
| 3DL0 | A4 |
| 3DL1 | A5 |
| 3DL4 | B4 |
| 3DL7 | A4 |
| 3DL8 | B5 |
| 3DL9 | B5 |
| 3DM0 | B5 |
| 3DM1 | A5 |
| 3DM2 | A4 |
| 3DM4 | B5 |
| 3DM6 | A4 |
| 3DM7 | B5 |
| 3DM8 | A4 |
| 3DM9 | B5 |
| 3DN0 | A4 |
| 3DN1 | B5 |
| 3DN2 | A5 |
| 3DN3 | A5 |
| 3DN4 | A5 |
| 3DN5 | A5 |
| 3DN6 | A5 |
| 3DN7 | A5 |
| 3DN8 | B5 |
| 3DN9 | A5 |
| 3DP0 | B4 |
| 3DP1 | B4 |
| 3P00 | C1 |
| 3P01 | D1 |
| 3P02 | C1 |
| 3P03 | D1 |
| 3P04 | D6 |
| 3P05 | C2 |
| 3P06 | D2 |
| 3P07 | C6 |
| 3P09 | D1 |
| 3P10 | D1 |
| 3P11 | C1 |
| 3P12 | E5 |
| 3P13 | D6 |
| 3P14 | E3 |
| 3P15 | E7 |
| 3P16 | C6 |
| 3P17 | D1 |
| 3P18 | D1 |
| 3P19 | C1 |
| 3P20 | D1 |
| 3P21 | D1 |
| 3P22 | C1 |
| 3P23 | C1 |
| 3P24 | C2 |
| 3P25 | D6 |
| 3P26 | C1 |
| 3P27 | C6 |
| 3P30 | E4 |
| 3P31 | E4 |
| 3P32 | E4 |
| 3P33 | C6 |
| 3P34 | E4 |
| 3P35 | E4 |
| 3P36 | D1 |
| 3P37 | E4 |
| 3P38 | E4 |
| 3P39 | E3 |
| 3P40 | D6 |
| 3P41 | E4 |
| 3P42 | E4 |
| 3P43 | E4 |
| 3P44 | E4 |
| 3P45 | E4 |
| 3P46 | E4 |
| 3P47 | E2 |
| 3P48 | D6 |
| 3P49 | E4 |
| 3P50 | C6 |
| 3P51 | E1 |
| 3P52 | D1 |
| 3P53 | E1 |
| 3P54 | D1 |
| 3P55 | D1 |
| 3P59 | D1 |
| 3P61 | E6 |
| 3P62 | E6 |
| 3P63 | E5 |
| 3P64 | E5 |
| 3P65 | E5 |
| 3P66 | E5 |
| 3P67 | E5 |
| 3P68 | D6 |
| 3P69 | D6 |
| 3P70 | C3 |
| 3P71 | C3 |
| 3P72 | C2 |
| 3P73 | D6 |
| 3P74 | D6 |
| 3P75 | D6 |
| 3P76 | D1 |
| 3P78 | D6 |
| 3P79 | C3 |
| 3P80 | C3 |
| 3P81 | D2 |
| 3P82 | D2 |
| 3P83 | D3 |
| 3P84 | D2 |
| 3P85 | D2 |
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| 3P87 | D2 |
| 3P88 | D2 |
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| 3P92 | D6 |
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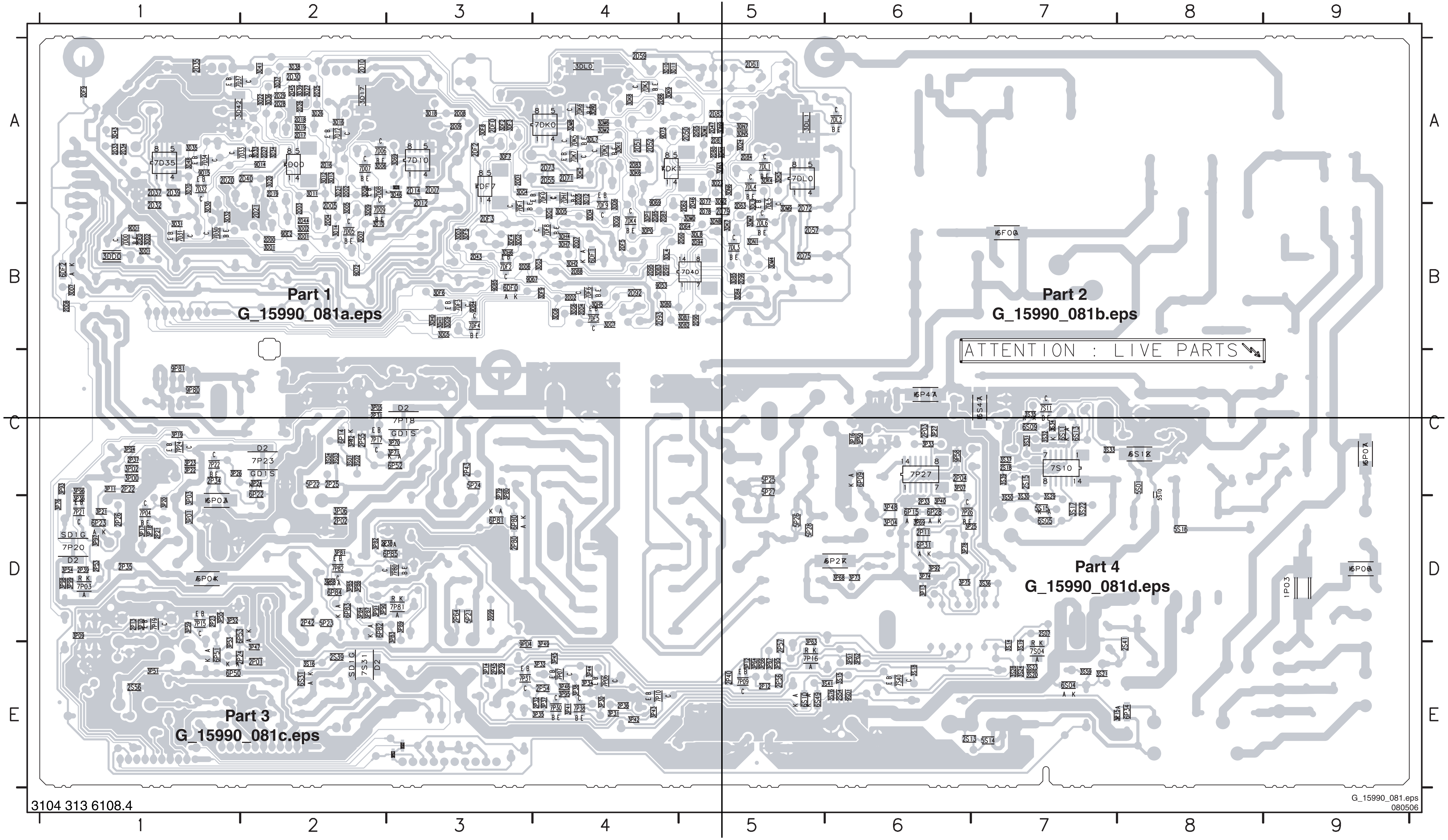
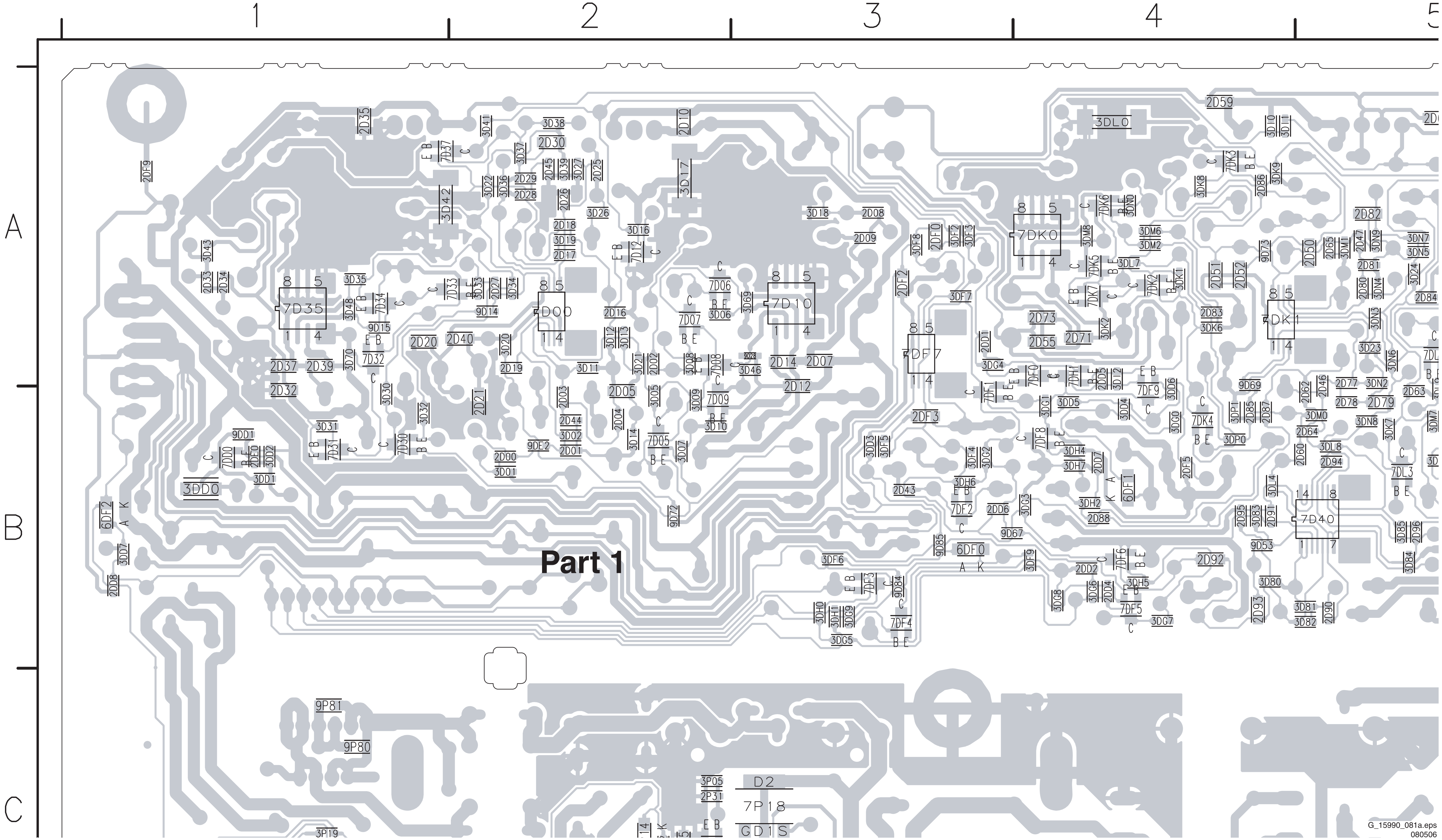
| 3P94 | C1 |
| 3P95 | E4 |
| 3P96 | C1 |
| 3P97 | D1 |
| 3P98 | D1 |
| 3P99 | D1 |
| 3S01 | C2 |
| 3S02 | C2 |
| 3S03 | C2 |
| 3S04 | C2 |
| 3S14 | E7 |
| 3S15 | E6 |
| 3S16 | E2 |
| 3S17 | D7 |
| 3S18 | E6 |
| 3S19 | E7 |
| 3S20 | E7 |
| 3S21 | E7 |
| 3S22 | D7 |
| 3S23 | E7 |
| 3S24 | E7 |
| 3S28 | E7 |
| 3S29 | D7 |
| 3S30 | D7 |
| 3S31 | C7 |
| 3S32 | C7 |
| 3S33 | C7 |
| 3S34 | C7 |
| 3S35 | C7 |
| 3S36 | D7 |
| 3S37 | C7 |
| 3S39 | C7 |
| 3S41 | E6 |
| 3S50 | D7 |
| 3S59 | E7 |
| 3S76 | E6 |
| 5P21 | D3 |
| 5P22 | C2 |
| 5P23 | D2 |
| 5P24 | C3 |
| 5P25 | C5 |
| 5P26 | D5 |
| 5P27 | C5 |
| 5P28 | D5 |
| 5S01 | C8 |
| 5S10 | C8 |
| 5S14 | E7 |
| 5S15 | D7 |
| 5S16 | D8 |
| 6DF0 | B3 |
| 6DF1 | B4 |
| 6DF2 | B1 |
| 6F00 | B7 |
| 6P03 | D1 |
| 6P04 | D1 |
| 6P06 | D9 |
| 6P07 | C9 |
| 6P09 | C6 |
| 6P14 | C2 |
| 6P15 | D6 |
| 6P22 | C2 |
| 6P23 | D1 |
| 6P27 | D6 |
| 6P28 | D6 |
| 6P31 | D6 |
| 6P34 | E8 |
| 6P47 | C6 |
| 6P50 | E1 |
| 6P51 | E1 |
| 6P52 | C3 |
| 6P53 | D2 |
| 6P80 | D3 |
| 6P81 | D3 |
| 6P82 | D2 |
| 6P83 | D2 |
| 6P84 | D2 |
| 6P85 | D2 |
| 6S04 | E7 |
| 6S05 | D7 |
| 6S09 | C7 |
| 6S10 | E5 |
| 6S11 | C7 |
| 6S12 | C8 |
| 6S13 | C7 |
| 6S31 | E2 |
| 6S47 | C7 |
| 6S49 | E5 |
| 7D00 | A2 |
| 7D05 | B2 |
| 7D06 | A2 |
| 7D07 | A2 |
| 7D08 | A2 |
| 7D09 | B2 |
| 7D10 | A3 |
| 7D12 | A2 |
| 7D30 | B1 |
| 7D31 | B1 |
| 7D32 | A1 |
| 7D33 | A2 |
| 7D34 | A1 |
| 7D35 | A1 |
| 7D37 | A1 |
| 7D40 | B5 |
| 7DD0 | B1 |
| 7DF0 | A4 |
| 7DF1 | B3 |
| 7DF2 | B3 |
| 7DF3 | B3 |
| 7DF4 | B3 |
| 7DF5 | B4 |
| 7DF6 | B4 |
| 7DF7 | A3 |
| 7DF8 | B4 |
| 7DF9 | B4 |
| 7DH1 | A4 |
| 7DK0 | A4 |
| 7DK1 | A5 |
| 7DK2 | A4 |
| 7DK3 | A4 |
| 7DK4 | B4 |
| 7DK5 | A4 |
| 7DK6 | A4 |
| 7DK7 | A4 |
| 7DL0 | A5 |
| 7DL1 | A5 |
| 7DL2 | A6 |
| 7DL3 | B5 |
| 7DL4 | A5 |
| 7DL5 | B5 |
| 7DL6 | B5 |
| 7P03 | D1 |
| 7P04 | D1 |
| 7P06 | E4 |
| 7P07 | E4 |
| 7P09 | E5 |
| 7P10 | E4 |
| 7P15 | D1 |
| 7P16 | E5 |
| 7P17 | C2 |
| 7P18 | C3 |
| 7P19 | D1 |
| 7P20 | D1 |
| 7P21 | D1 |
| 7P22 | C1 |
| 7P23 | C2 |
| 7P24 | C1 |
| 7P26 | D6 |
| 7P27 | C6 |
| 7P30 | E4 |
| 7P31 | E3 |
| 7P38 | E4 |
| 7P80 | D3 |
| 7P81 | D3 |
| 7P82 | D2 |
| 7S04 | E7 |
| 7S10 | C7 |
| 7S11 | C7 |
| 7S31 | E2 |
| 7S40 | E6 |
| 9D14 | A2 |
| 9D15 | A1 |
| 9D28 | A3 |
| 9D53 | B4 |
| 9D67 | B3 |
| 9D69 | A4 |
| 9D72 | B2 |
| 9D73 | A4 |
| 9D84 | B3 |
| 9D85 | B3 |
| 9DD1 | B1 |
| 9DE2 | B2 |
| 9P03 | E3 |
| 9P04 | E3 |
| 9P58 | C6 |
| 9P80 | C1 |
| 9P81 | C1 |
| 9S01 | E6 |
| 9S02 | E3 |



## Layout Platform Supply 42" (Part 1 Bottom Side)


1
2
3
4
5
A
B
C
Part 1
7D35
7D00
7D10
7DF7
7DK0
7DK1
7D40
3DL0
3DD0
7P18
GD1S
D2
9P81
9P80
G_15990_081a.eps
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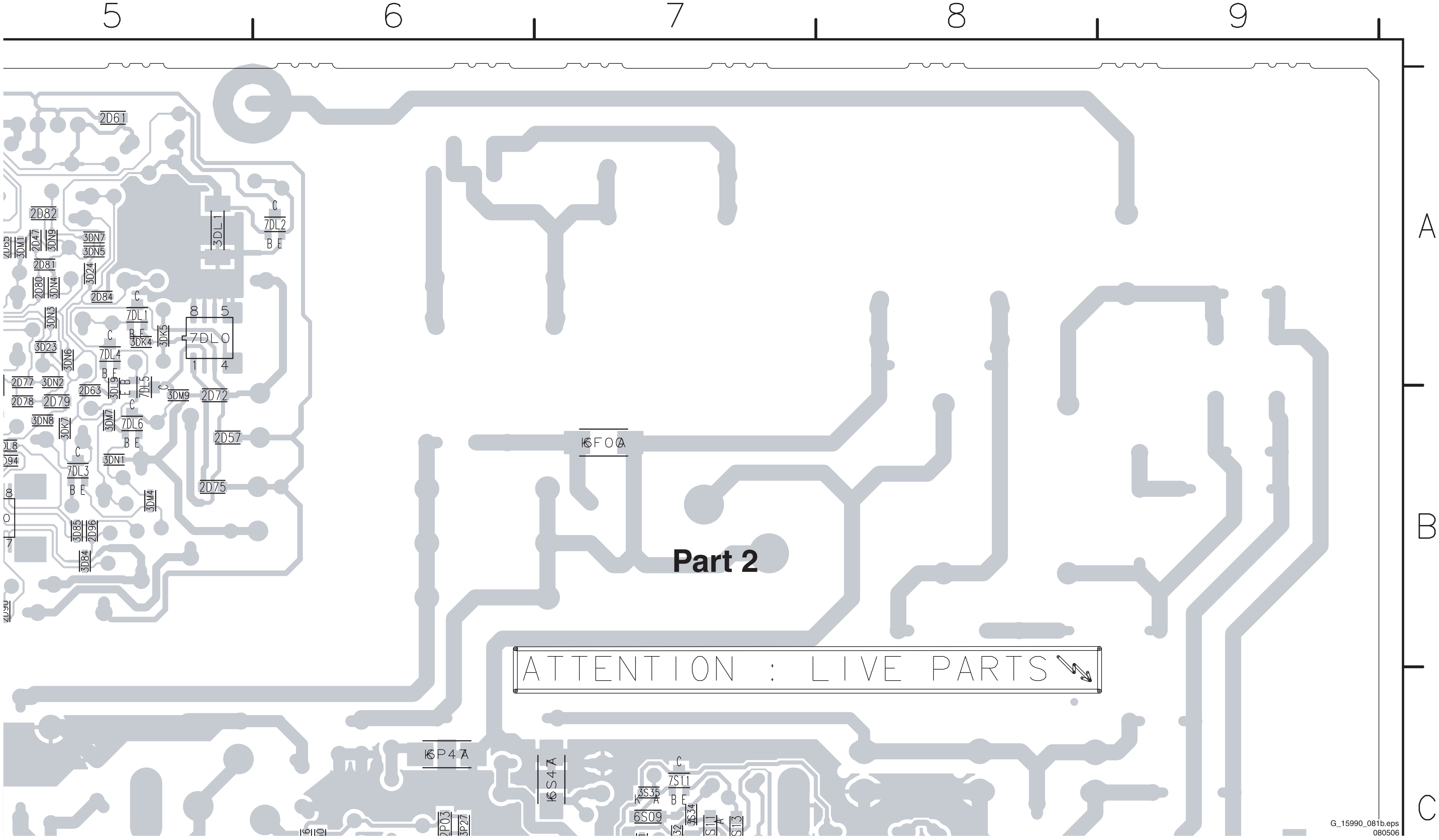
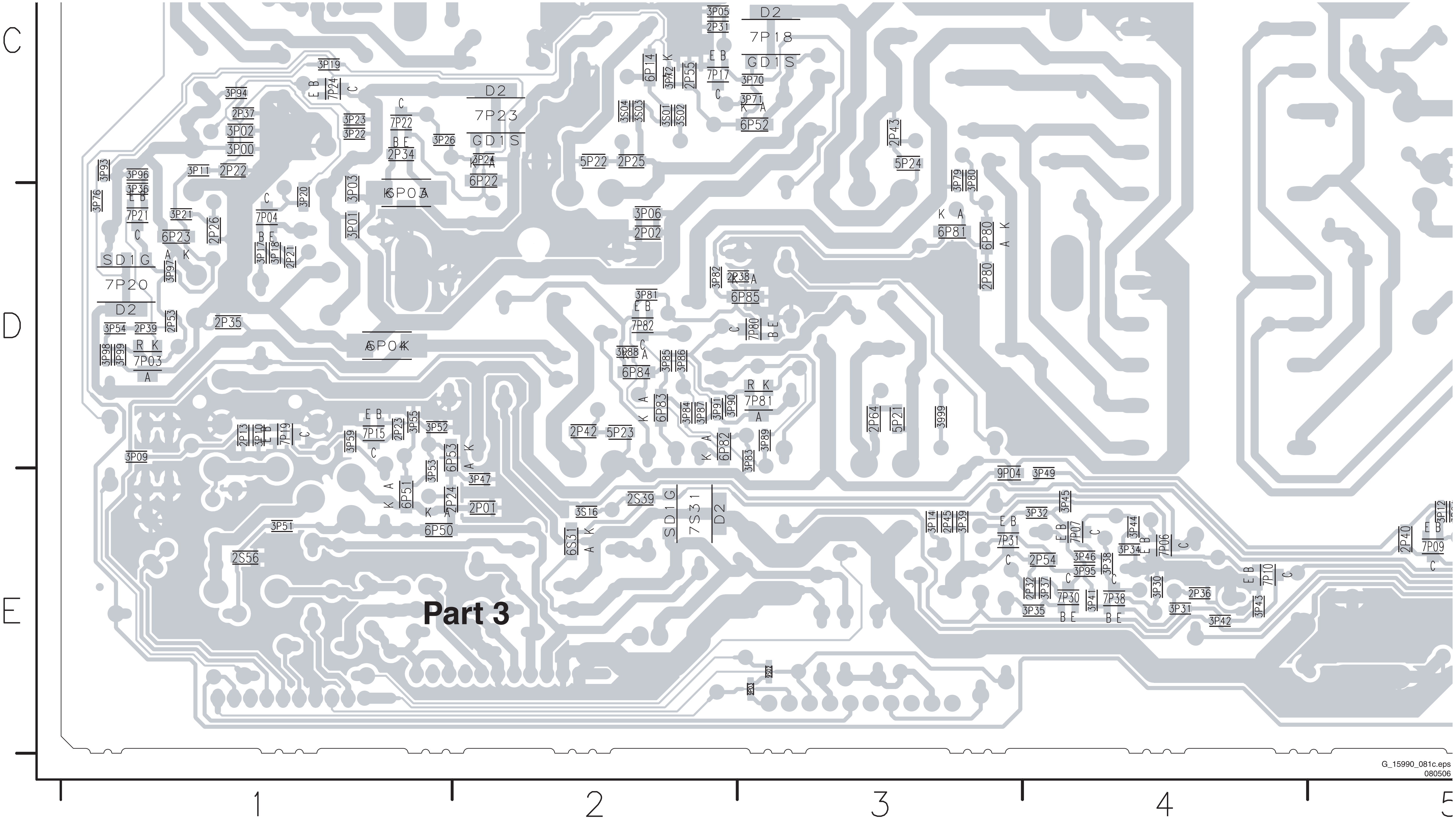
## Layout Platform Supply 42” (Part 2 Bottom Side)


5
6
7
8
9
A
B
C
Part 2
ATTENTION : LIVE PARTS
2D61
2D82
2D47
3DN9
3DM1
3DN7
3DN5
2D81
2D80
3DN4
3D24
2D84
3DL1
7DL2
7DL1
7DL0
3DK5
3DK4
7DL4
3DN3
3D23
3DN6
2D77
3DN2
2D78
2D79
2D63
3DL9
7DL5
3DM9
2D72
3DN8
3DK7
3DM7
7DL6
2D57
7DL3
3DN1
2D75
3DM4
3D85
2D96
3D84
6F00
6P47
6S47
7S11
3S35
6S09
3S34
2P03
3P27

G_15990_081b.eps
080506

## Layout Platform Supply 42” (Part 3 Bottom Side)


C
D
E
1
2
3
4
5
Part 3
3P05
2P31
D2
7P18
GD1S
6P14
3P72
2P55
7P17
3P70
3P71
6P52
3S04
3S03
3S01
3S02
3P19
7P24
3P94
2P37
3P02
3P00
3P23
3P22
7P22
2P34
3P26
D2
7P23
GD1S
3P24
6P22
5P22
2P25
2P43
5P24
3P93
3P76
3P96
3P36
7P21
3P11
2P22
3P21
6P23
2P26
7P04
3P20
3P03
6P03
3P01
3P06
2P02
3P79
3P80
6P81
6P80
2P80
3P17
3P18
2P21
SD1G
7P20
D2
3P97
3P82
2P38
6P85
3P81
7P82
7P80
3P54
2P39
3P53
2P35
6P04
3P98
3P99
7P03
3P88
6P84
3P85
3P86
7P81
2P64
5P21
3999
2P13
3P10
7P19
7P15
2P23
3P55
3P52
6P83
3P84
3P87
3P91
3P90
2P42
5P23
6P82
3P89
3P83
3P09
3P59
3P53
6P53
3P47
6P51
2P24
2P01
6P50
3P51
2S56
3S16
2S39
SD1G
7S31
D2
6S31
9P04
3P49
3P14
2P45
3P39
3P32
3P45
7P07
3P44
7P31
2P54
3P46
3P95
3P38
3P34
7P06
2P40
7P09
3P12
2P32
3P37
7P30
3P41
7P38
3P30
2P36
7P10
3P35
3P31
3P42
3P43

G_15990_081c.eps
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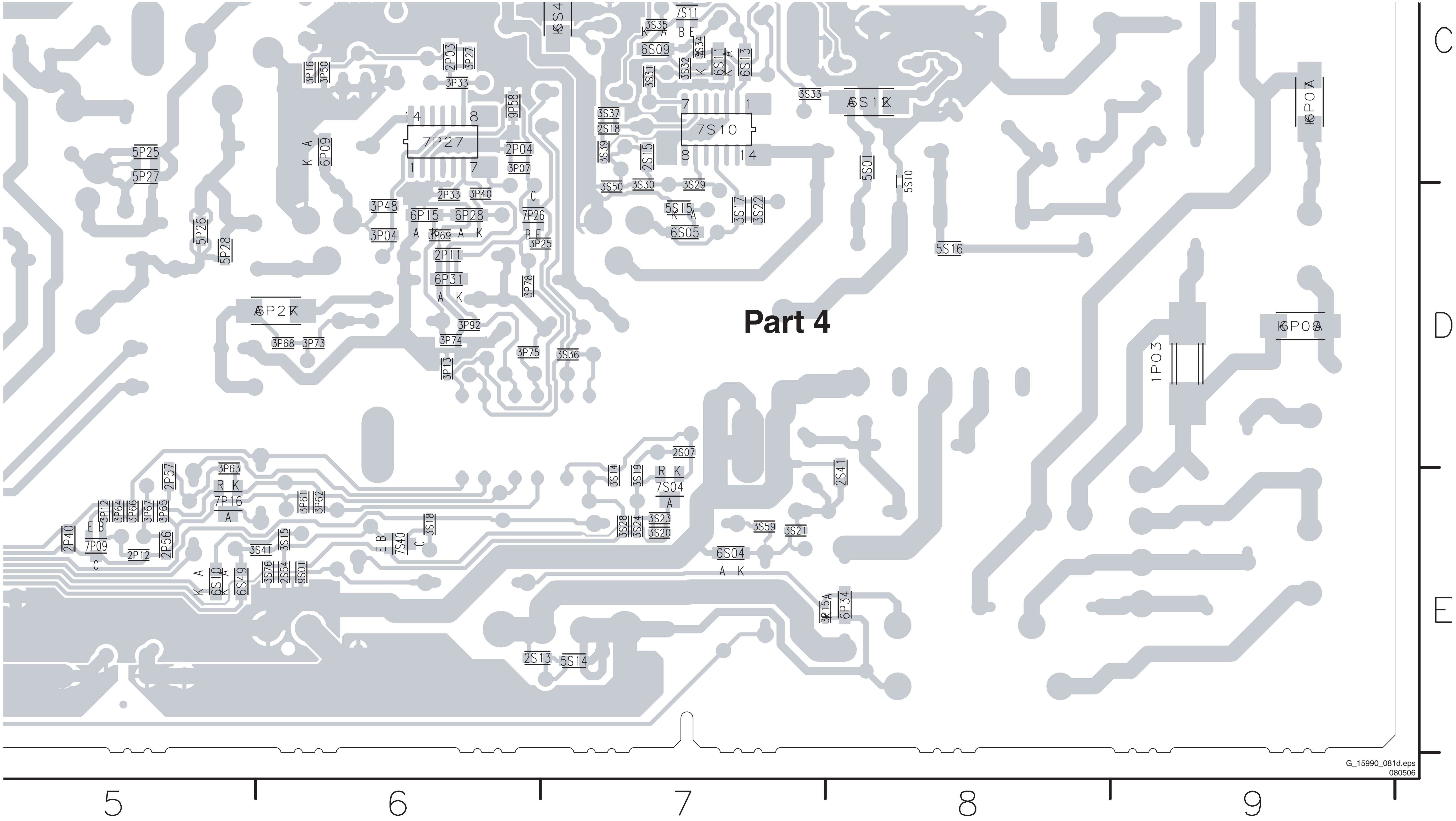
## Layout Platform Supply 42” (Part 4 Bottom Side)


Part 4
C
D
E
5
6
7
8
9
6S4
7S11
3S35
6S09
3S34
6S11
6S13
3S31
3S32
3S33
6S12
6P07
3S37
2S18
3S39
2S15
7S10
3S50
3S30
3S29
5S15
6S05
3S17
3S22
5S01
5S10
5S16
6P06
1P03
3P16
3P50
2P03
3P27
3P33
9P58
7P27
2P04
3P07
6P09
5P25
5P27
5P26
5P28
3P48
3P04
2P33
3P40
6P15
6P28
3P69
7P26
3P25
2P11
6P31
3P78
6P27
3P92
3P74
3P68
3P73
3P13
3P75
3S36
2S07
3S14
3S19
7S04
2S41
3S28
3S24
3S23
3S20
3S59
3S21
6S04
3P15
6P34
2S13
5S14
2P57
3P63
7P16
3P61
3P62
3P12
3P64
3P66
3P67
3P65
2P40
7P09
2P12
2P56
3S41
3S15
3S18
7S40
6S10
6S49
3S76
2S54
9S01
G_15990_081d.eps
080506

## SSB: DC/DC Part 1

| | |
|---|---|
| 1U01 | A12 |
| 1U04 | A12 |
| 2H1H | B14 |
| 2U00 | C1 |
| 2U01 | C1 |
| 2U02 | E1 |
| 2U03 | C1 |
| 2U04 | C1 |
| 2U05 | B2 |
| 2U06 | C4 |
| 2U07 | B3 |
| 2U08 | E4 |
| 2U09 | B3 |
| 2U0A | B4 |
| 2U0B | C5 |
| 2U0C | C5 |
| 2U0D | E5 |
| 2U0E | C5 |
| 2U0F | C6 |
| 2U0G | B7 |
| 2U0H | C8 |
| 2U0I | B7 |
| 2U0J | E8 |
| 2U0K | B8 |
| 2U0L | B8 |
| 2U0M | C10 |
| 2U0N | C10 |
| 2U0P | E10 |
| 2U0Q | C10 |
| 2U0R | C10 |
| 2U0S | C12 |
| 2U0T | C13 |
| 2U0U | B13 |
| 2U0V | E13 |
| 2U0W | B13 |
| 2U0Y | B13 |
| 2U0Z | E3 |
| 2U10 | E8 |
| 2U11 | E13 |
| 2U12 | D4 |
| 2U13 | D9 |
| 2U14 | D14 |
| 2U15 | H7 |
| 2U16 | H8 |
| 2U17 | A13 |
| 2U18 | B11 |
| 2U19 | D4 |
| 2U1A | D14 |
| 2U1B | D9 |
| 2U1C | D8 |
| 2U1D | D14 |
| 2U1E | D4 |
| 2U1F | F5 |
| 2U1G | F9 |
| 2U1I | D14 |
| 2U1J | E9 |
| 2U1K | D4 |
| 2U1M | B11 |
| 2U1N | D5 |
| 2U1P | C5 |
| 2U1Q | D13 |
| 2U1R | D13 |
| 2U1S | E10 |
| 2U1T | D10 |
| 2U1U | A3 |
| 2U1W | D4 |
| 2U1Y | D8 |
| 2U1Z | D13 |
| 2U20 | F7 |
| 2U21 | G6 |
| 2U22 | G2 |
| 2U23 | H8 |
| 2U24 | E9 |
| 2U25 | H11 |
| 2U26 | H9 |
| 2U29 | F5 |
| 2U30 | H1 |
| 2U31 | H3 |
| 2U32 | H2 |
| 2U33 | H2 |
| 2U34 | F6 |
| 2U35 | H4 |
| 3U00 | D1 |
| 3U01 | G4 |
| 3U02 | E1 |
| 3U03 | B1 |
| 3U04 | B1 |
| 3U05 | B2 |
| 3U06 | E4 |
| 3U07 | E13 |
| 3U08 | E14 |
| 3U09 | E4 |
| 3U0A | D5 |
| 3U0B | F14 |
| 3U0C | E5 |
| 3U0D | B5 |
| 3U0E | B6 |
| 3U0F | B7 |
| 3U0G | E8 |
| 3U0H | E8 |
| 3U0I | E9 |
| 3U0J | F7 |
| 3U0K | D10 |
| 3U0L | F14 |
| 3U0M | E10 |
| 3U0N | B10 |
| 3U0P | B10 |
| 3U0Q | B12 |
| 3U0R | E13 |
| 3U0S | E4 |
| 3U0T | E4 |
| 3U0U | E14 |
| 3U0W | B15 |
| 3U0Z | D4 |
| 3U10 | D4 |
| 3U11 | D8 |
| 3U12 | E8 |
| 3U13 | D14 |
| 3U14 | D14 |
| 3U15 | F14 |
| 3U16 | B15 |
| 3U17 | C3 |
| 3U18 | D3 |
| 3U19 | C8 |
| 3U1A | D8 |
| 3U1B | C13 |
| 3U1C | D13 |
| 3U1D | B15 |
| 3U1E | B14 |
| 3U1F | C4 |
| 3U1G | D13 |
| 3U1H | D10 |
| 3U1I | A1 |
| 3U1J | A2 |
| 3U1K | A3 |
| 3U1L | A3 |
| 3U1M | F3 |
| 3U1N | F4 |
| 3U1P | F2 |
| 3U1Q | F8 |
| 3U1R | F8 |
| 3U1S | F8 |
| 3U1T | F15 |
| 3U1U | E15 |
| 3U1V | E15 |
| 3U22 | F6 |
| 3U23 | F6 |
| 3U24 | A14 |
| 3U25 | D3 |
| 3U26 | D8 |
| 3U27 | D13 |
| 3U28 | F7 |
| 3U29 | G7 |
| 3U2B | G2 |
| 3U2C | G4 |
| 3U2D | G5 |
| 3U2E | G5 |
| 3U2F | H6 |
| 3U2G | G5 |
| 3U2H | H10 |
| 3U2J | H10 |
| 3U2K | H11 |
| 3U2L | H11 |
| 3U2M | H11 |
| 3U2N | H13 |
| 3U2P | H13 |
| 3U30 | H8 |
| 3U32 | G9 |
| 3U34 | H9 |
| 3U35 | F2 |
| 3U36 | F5 |
| 5U00 | C4 |
| 5U01 | C14 |
| 5U02 | B4 |
| 5U03 | B8 |
| 5U04 | B12 |
| 5U05 | E5 |
| 5U06 | F9 |
| 5U07 | E5 |
| 5U08 | F5 |
| 5U09 | F5 |
| 5U0A | F8 |
| 5U0B | F9 |
| 5U0C | F9 |
| 5U0D | D9 |
| 6U00 | B3 |
| 6U01 | B8 |
| 6U02 | B12 |
| 6U03 | F9 |
| 6U04 | F9 |
| 6U05 | G9 |
| 6U07 | C2 |
| 6U08 | B6 |
| 6U09 | C11 |
| 6U0A | G9 |
| 6U0B | H4 |
| 6U0C | H5 |
| 6U0D | H5 |
| 6U0E | G6 |
| 6U0F | B15 |
| 6U12 | G14 |
| 6U13 | H10 |
| 6U18 | B15 |
| 7U01-1 | D4 |
| 7U01-2 | E3 |
| 7U02-1 | D8 |
| 7U02-2 | D8 |
| 7U03-1 | D13 |
| 7U03-2 | D13 |
| 7U04 | C1 |
| 7U05 | C6 |
| 7U06 | C11 |
| 7U08-1 | D5 |
| 7U08-2 | F7 |
| 7U09-1 | D10 |
| 7U09-2 | E15 |
| 7U10-1 | D1 |
| 7U10-2 | F3 |
| 7U14 | B14 |
| 7U15 | A15 |
| 7U19 | H7 |
| 7U20-1 | A1 |
| 7U20-2 | A2 |
| 7U21-1 | H12 |
| 7U21-2 | H12 |
| 7U23 | H6 |
| 7U30 | H8 |
| 7U31 | H9 |
| 9U01 | F3 |
| 9U02 | F8 |
| 9U03 | F13 |
| 9U06 | H14 |
| 9U07 | C4 |
| 9U08 | C9 |
| 9U09 | C15 |
| 9U10 | H14 |
| 9U11 | H14 |
| 9U12 | H14 |
| AU01 | D1 |
| AU02 | D5 |
| AU03 | D10 |
| FU01 | A14 |
| FU02 | H15 |
| FU03 | C15 |
| FU04 | H7 |
| FU05 | G15 |
| FU07 | F14 |
| FU08 | G14 |
| FU09 | G14 |
| FU10 | F14 |
| FU12 | C4 |
| FU13 | C9 |
| FU14 | C14 |
| FU18 | G14 |
| FU19 | F14 |
| FU20 | F14 |
| FU22 | A13 |
| FU23 | A14 |
| IU00 | C1 |
| IU01 | C2 |
| IU02 | C2 |
| IU03 | C1 |
| IU04 | C3 |
| IU05 | D4 |
| IU06 | D4 |
| IU07 | E4 |
| IU08 | E3 |
| IU09 | D8 |
| IU0A | D8 |
| IU0B | C5 |
| IU0C | B6 |
| IU0D | C5 |
| IU0E | C7 |
| IU0F | C8 |
| IU0G | E8 |
| IU0H | E6 |
| IU0I | C10 |
| IU0J | C10 |
| IU0K | C11 |
| IU0L | C12 |
| IU0M | C12 |
| IU0N | D14 |
| IU0P | D14 |
| IU0Q | E12 |
| IU0R | E11 |
| IU0T | F14 |
| IU0V | B15 |
| IU0W | B14 |
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| IU0Z | E9 |
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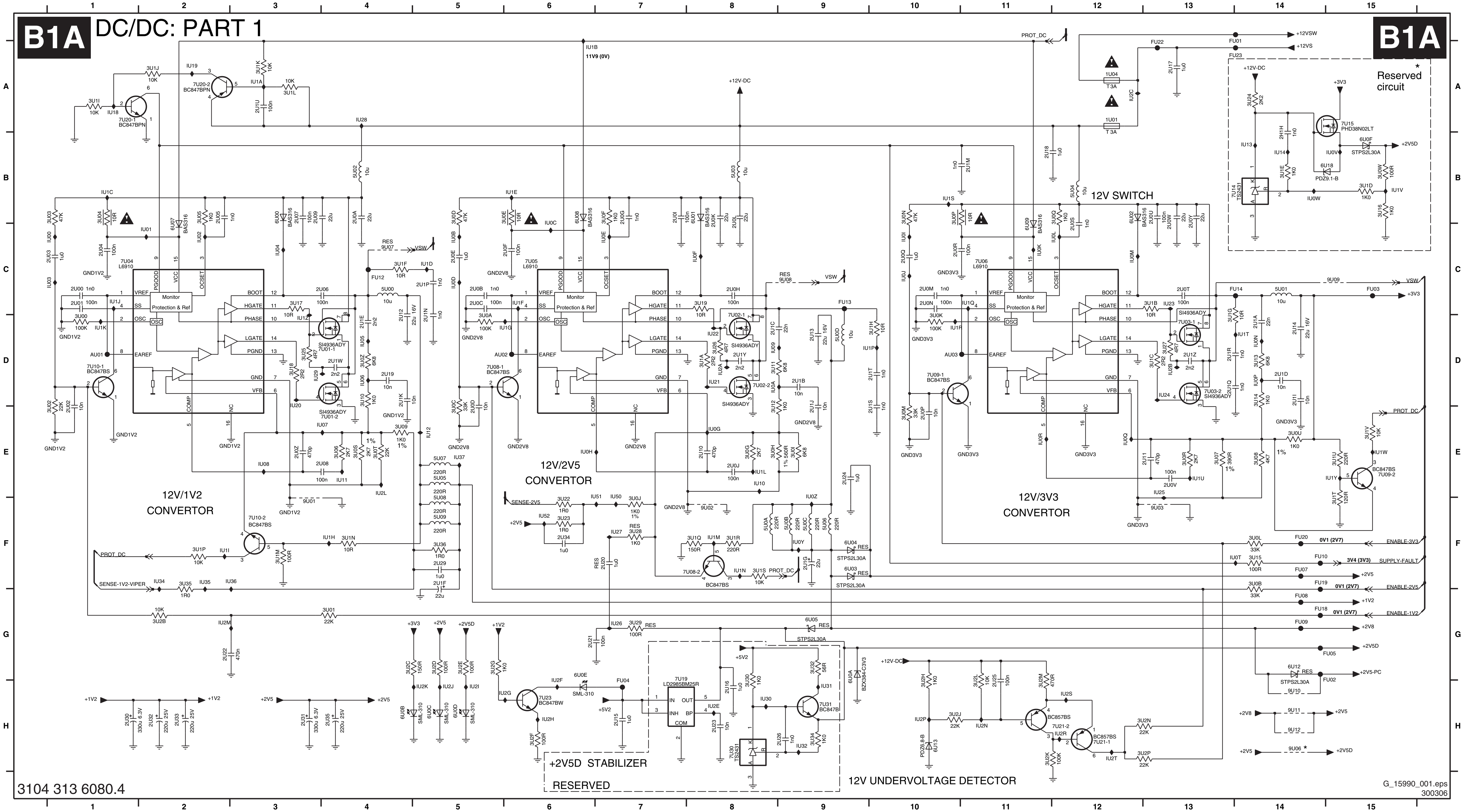
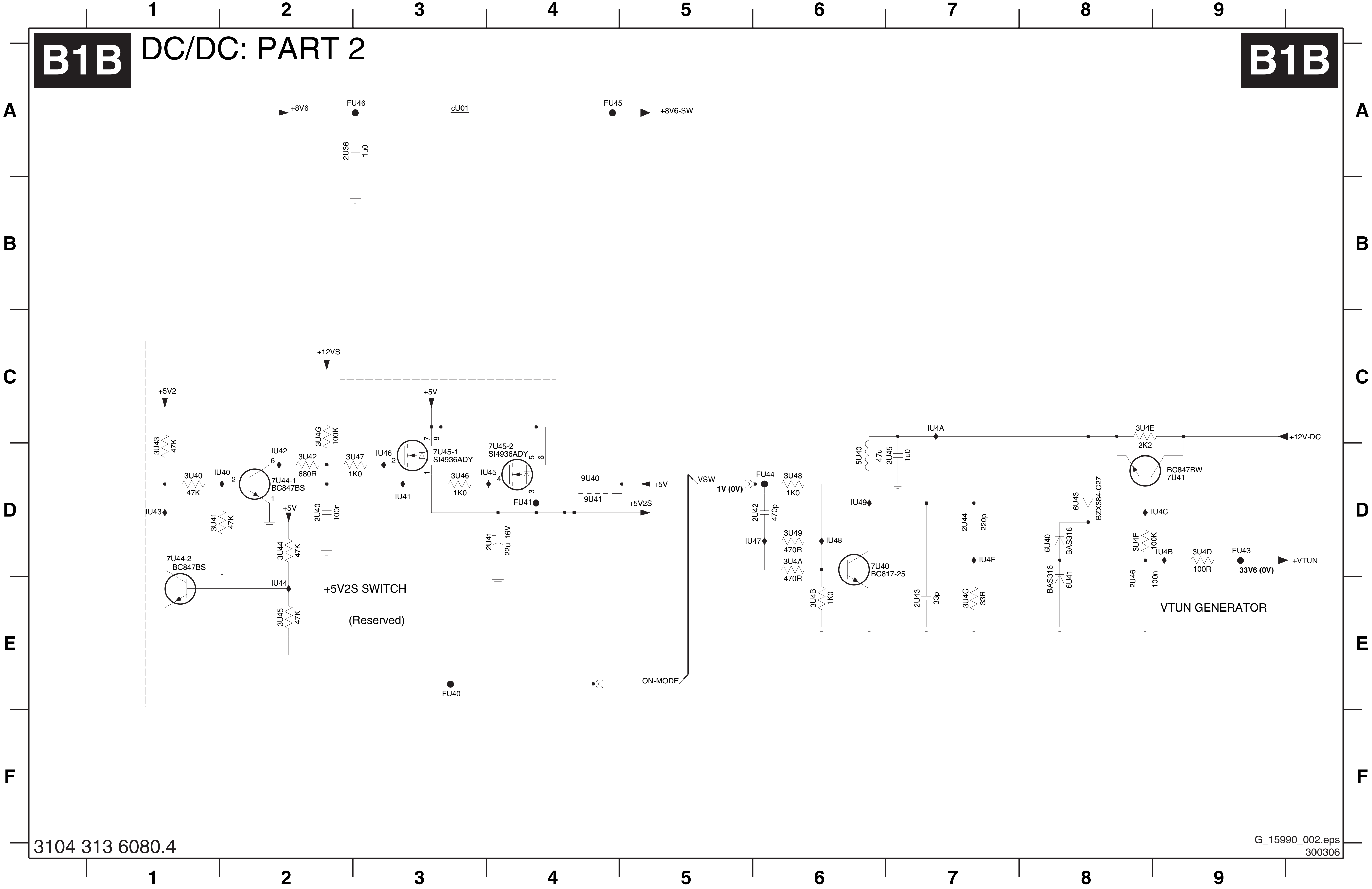
| IU11 | E4 |
| IU12 | E5 |
| IU13 | B14 |
| IU14 | B14 |
| IU18 | A1 |
| IU19 | A2 |
| IU1A | A3 |
| IU1B | A6 |
| IU1C | B1 |
| IU1D | C5 |
| IU1E | B6 |
| IU1F | C6 |
| IU1G | D6 |
| IU1H | F4 |
| IU1I | F2 |
| IU1J | C1 |
| IU1K | D1 |
| IU1L | E8 |
| IU1M | F8 |
| IU1N | F8 |
| IU1P | D9 |
| IU1Q | C11 |
| IU1R | D10 |
| IU1S | B10 |
| IU1T | D14 |
| IU1U | E13 |
| IU1V | B15 |
| IU1W | E15 |
| IU1Y | E15 |
| IU1Z | D3 |
| IU20 | D3 |
| IU21 | D8 |
| IU22 | D8 |
| IU23 | C13 |
| IU24 | D13 |
| IU25 | E13 |
| IU26 | G7 |
| IU27 | F7 |
| IU28 | A4 |
| IU29 | D3 |
| IU2A | D8 |
| IU2B | D13 |
| IU2C | A12 |
| IU2E | H8 |
| IU2F | G6 |
| IU2G | H6 |
| IU2H | H6 |
| IU2I | H5 |
| IU2J | H5 |
| IU2K | H5 |
| IU2L | E4 |
| IU2M | G2 |
| IU2N | H11 |
| IU2P | H10 |
| IU2R | H12 |
| IU2S | H12 |
| IU2T | H12 |
| IU30 | H8 |
| IU31 | H9 |
| IU32 | H9 |
| IU34 | F2 |
| IU35 | F2 |
| IU36 | F3 |
| IU37 | E5 |
| IU50 | E7 |
| IU51 | E7 |
| IU52 | F6 |

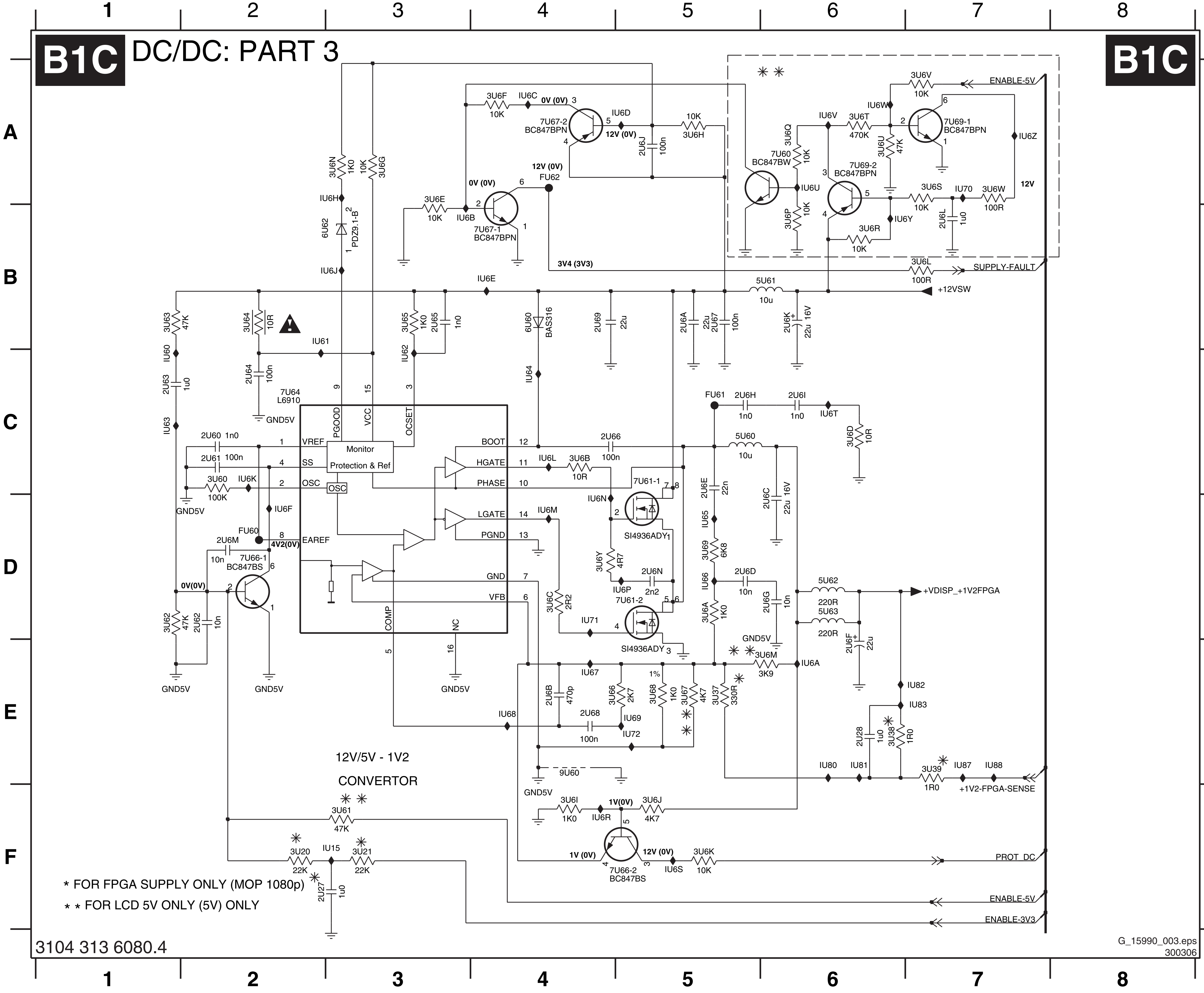

B1A
DC/DC: PART 1
B1A
12V/1V2
CONVERTOR
12V/2V5
CONVERTOR
12V/3V3
CONVERTOR
12V SWITCH
Reserved
circuit
+2V5D STABILIZER
RESERVED
12V UNDERVOLTAGE DETECTOR
7U04 L6910
7U05 L6910
7U06 L6910
VREF
SS
OSC
EAREF
PGOOD
VCC
OCSET
BOOT
HGATE
PHASE
LGATE
PGND
GND
VFB
COMP
NC
Monitor
Protection & Ref
SI4936ADY
BC847BS
BC847BPN
BC847BW
BC857BS
LD2985BM25R
PHD38N02LT
STPS2L30A
BAS316
SML-310
PDZ9.1-B
PDZ6.8-B
BZX384-C3V3
TS2431
T3A
PROT_DC
SENSE-1V2-VIPER
SENSE-2V5
VSW
+12VSW
+12VS
+12V-DC
+3V3
+2V5
+2V5D
+2V5-PC
+1V2
+2V8
+5V2
ENABLE-3V3
SUPPLY-FAULT
ENABLE-2V5
ENABLE-1V2
0V1 (2V7)
3V4 (3V3)
11V9 (0V)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H
3104 313 6080.4
G_15990_001.eps
300306

## SSB: DC/DC Part 2


B1B
DC/DC: PART 2
B1B
1 2 3 4 5 6 7 8 9
A B C D E F
+8V6
FU46
cU01
FU45
+8V6-SW
2U36
1u0
+12VS
+5V2
+5V
3U43
47K
3U40
47K
IU40
2
IU42
6
3U42
680R
3U4G
100K
3U47
1K0
IU46
2
7
8
7U45-1
SI4936ADY
7U45-2
SI4936ADY
5
6
7U44-1
BC847BS
1
3U46
1K0
IU45
4
3
IU41
FU41
9U40
+5V
9U41
+5V2S
IU43
3U41
47K
+5V
2U40
100n
2U41
22u 16V
3U44
47K
7U44-2
BC847BS
IU44
+5V2S SWITCH
(Reserved)
3U45
47K
FU40
ON-MODE
VSW
1V (0V)
FU44
3U48
1K0
2U42
470p
3U49
470R
IU47
IU48
3U4A
470R
3U4B
1K0
7U40
BC817-25
5U40
47u
2U45
1u0
IU4A
IU49
2U43
33p
2U44
220p
IU4F
3U4C
33R
6U43
BZX384-C27
6U40
BAS316
BAS316
6U41
3U4E
2K2
+12V-DC
BC847BW
7U41
IU4C
3U4F
100K
IU4B
3U4D
100R
FU43
33V6 (0V)
+VTUN
2U46
100n
VTUN GENERATOR
3104 313 6080.4
G_15990_002.eps
300306

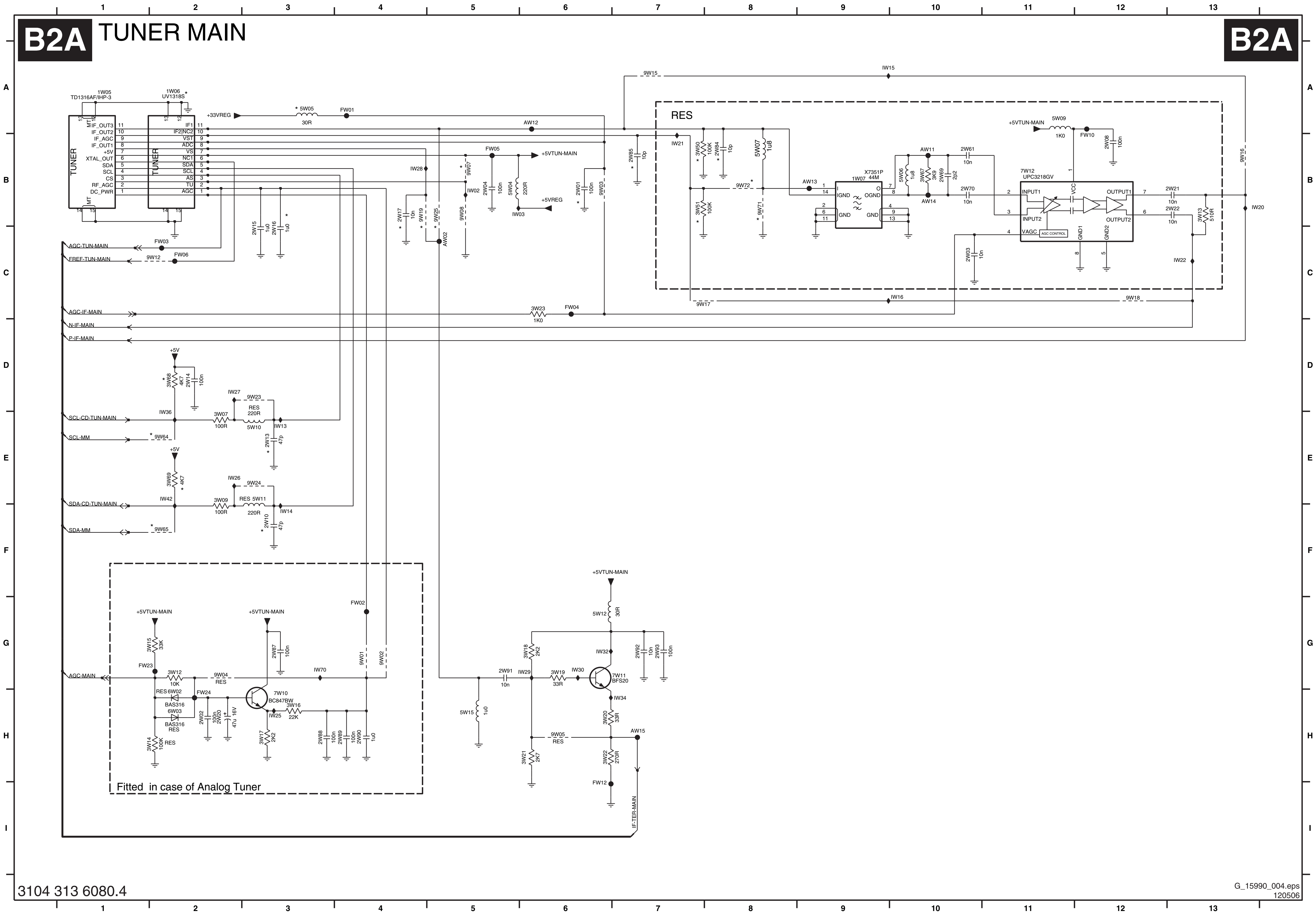
| | |
|---|---|
| 2U36 | A2 |
| 2U40 | D2 |
| 2U41 | D4 |
| 2U42 | D6 |
| 2U43 | E7 |
| 2U44 | D7 |
| 2U45 | D7 |
| 2U46 | E8 |
| 3U40 | D1 |
| 3U41 | D1 |
| 3U42 | D2 |
| 3U43 | D1 |
| 3U44 | D2 |
| 3U45 | E2 |
| 3U46 | D3 |
| 3U47 | D3 |
| 3U48 | D6 |
| 3U49 | D6 |
| 3U4A | D6 |
| 3U4B | E6 |
| 3U4C | E7 |
| 3U4D | D9 |
| 3U4E | C8 |
| 3U4F | D8 |
| 3U4G | C2 |
| 5U40 | D6 |
| 6U40 | D8 |
| 6U41 | E8 |
| 6U43 | D8 |
| 7U40 | D6 |
| 7U41 | D9 |
| 7U44-1 | D2 |
| 7U44-2 | D1 |
| 7U45-1 | D3 |
| 7U45-2 | D4 |
| 9U40 | D4 |
| 9U41 | D4 |
| FU40 | E3 |
| FU41 | D4 |
| FU43 | D9 |
| FU44 | D6 |
| FU45 | A4 |
| FU46 | A3 |
| IU40 | D2 |
| IU41 | D3 |
| IU42 | D2 |
| IU43 | D1 |
| IU44 | E2 |
| IU45 | D4 |
| IU46 | D3 |
| IU47 | D6 |
| IU48 | D6 |
| IU49 | D6 |
| IU4A | C7 |
| IU4B | D9 |
| IU4C | D9 |
| IU4F | D7 |
| cU01 | A3 |

## SSB: DC/DC Part 3


B1C
DC/DC: PART 3
B1C
1 2 3 4 5 6 7 8
A B C D E F
7U64
L6910
VREF
SS
OSC
EAREF
PGOOD
VCC
OCSET
Monitor
Protection & Ref
BOOT
HGATE
PHASE
LGATE
PGND
GND
VFB
COMP
NC
7U67-1
BC847BPN
7U67-2
BC847BPN
7U60
BC847BW
7U69-1
BC847BPN
7U69-2
BC847BPN
7U61-1
SI4936ADY
7U61-2
SI4936ADY
7U66-1
BC847BS
7U66-2
BC847BS
6U60
BAS316
6U62
PDZ9.1-B
5U60
10u
5U61
10u
5U62
220R
5U63
220R
9U60
ENABLE-5V
SUPPLY-FAULT
+12VSW
+VDISP_+1V2FPGA
+1V2-FPGA-SENSE
PROT_DC
ENABLE-5V
ENABLE-3V3
GND5V
12V/5V - 1V2
CONVERTOR
* FOR FPGA SUPPLY ONLY (MOP 1080p)
* * FOR LCD 5V ONLY (5V) ONLY
3104 313 6080.4
G_15990_003.eps
300306

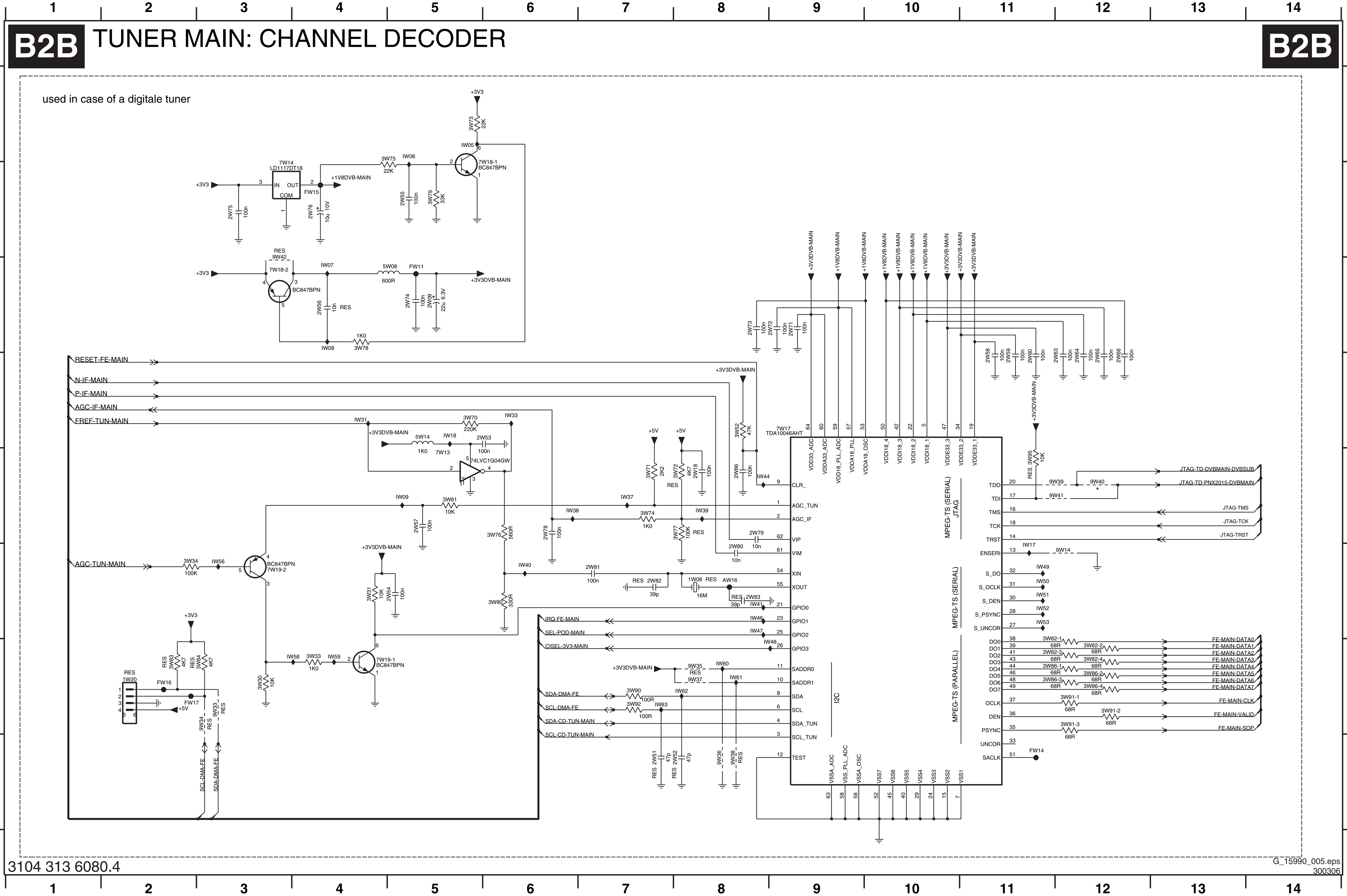
| | |
|---|---|
| 2U27 | F2 |
| 2U28 | E6 |
| 2U60 | C2 |
| 2U61 | C2 |
| 2U62 | D2 |
| 2U63 | C1 |
| 2U64 | C2 |
| 2U65 | B3 |
| 2U66 | C4 |
| 2U67 | B5 |
| 2U68 | E4 |
| 2U69 | B4 |
| 2U6A | B5 |
| 2U6B | E4 |
| 2U6C | D6 |
| 2U6D | D5 |
| 2U6E | C5 |
| 2U6F | E6 |
| 2U6G | D6 |
| 2U6H | C5 |
| 2U6I | C6 |
| 2U6J | A5 |
| 2U6K | B6 |
| 2U6L | B7 |
| 2U6M | D2 |
| 2U6N | D5 |
| 3U20 | F2 |
| 3U21 | F3 |
| 3U37 | E5 |
| 3U38 | E6 |
| 3U39 | E7 |
| 3U60 | C2 |
| 3U61 | F3 |
| 3U62 | D1 |
| 3U63 | B1 |
| 3U64 | B2 |
| 3U65 | B3 |
| 3U66 | E4 |
| 3U67 | E5 |
| 3U68 | E5 |
| 3U69 | D5 |
| 3U6A | D5 |
| 3U6B | C4 |
| 3U6C | D4 |
| 3U6D | C6 |
| 3U6E | A3 |
| 3U6F | A4 |
| 3U6G | A3 |
| 3U6H | A5 |
| 3U6I | F4 |
| 3U6J | F5 |
| 3U6K | F5 |
| 3U6L | B7 |
| 3U6M | E6 |
| 3U6N | A3 |
| 3U6P | B6 |
| 3U6Q | A6 |
| 3U6R | B6 |
| 3U6S | A7 |
| 3U6T | A6 |
| 3U6U | A6 |
| 3U6V | A7 |
| 3U6W | A7 |
| 3U6Y | D4 |
| 5U60 | C5 |
| 5U61 | B6 |
| 5U62 | D6 |
| 5U63 | D6 |
| 6U60 | B4 |
| 6U62 | B2 |
| 7U60 | A6 |
| 7U61-1 | C5 |
| 7U61-2 | D5 |
| 7U64 | C2 |
| 7U66-1 | D2 |
| 7U66-2 | F4 |
| 7U67-1 | B4 |
| 7U67-2 | A4 |
| 7U69-1 | A7 |
| 7U69-2 | A6 |
| 9U60 | E4 |
| FU60 | D2 |
| FU61 | C5 |
| FU62 | A4 |
| IU15 | F3 |
| IU60 | C1 |
| IU61 | B2 |
| IU62 | C3 |
| IU63 | C1 |
| IU64 | C4 |
| IU65 | D5 |
| IU66 | D5 |
| IU67 | E4 |
| IU68 | E4 |
| IU69 | E5 |
| IU6A | E6 |
| IU6B | B3 |
| IU6C | A4 |
| IU6D | A5 |
| IU6E | B4 |
| IU6F | D2 |
| IU6H | A3 |
| IU6J | B3 |
| IU6K | C2 |
| IU6L | C4 |
| IU6M | D4 |
| IU6N | D4 |
| IU6P | D5 |
| IU6R | F4 |
| IU6S | F5 |
| IU6T | C6 |
| IU6U | A6 |
| IU6V | A6 |
| IU6W | A6 |
| IU6Y | B6 |
| IU6Z | A7 |
| IU70 | A7 |
| IU71 | D4 |
| IU72 | E5 |
| IU80 | E6 |
| IU81 | E6 |
| IU82 | E7 |
| IU83 | E7 |
| IU87 | E7 |
| IU88 | E7 |

## SSB: Tuner Main


B2A
TUNER MAIN
B2A
RES
1W05
TD1316AF/IHP-3
1W06
UV1318S
TUNER
TUNER
+33VREG
5W05
30R
FW01
AW12
+5VTUN-MAIN
FW05
5W04
220R
+5VREG
IW03
IW02
IW28
AGC-TUN-MAIN
FREF-TUN-MAIN
FW03
FW06
9W12
AGC-IF-MAIN
N-IF-MAIN
P-IF-MAIN
3W23
1K0
FW04
SCL-CD-TUN-MAIN
SCL-MM
SDA-CD-TUN-MAIN
SDA-MM
9W64
9W65
IW36
IW42
3W07
100R
3W09
100R
5W10
5W11
220R
IW13
IW14
IW26
IW27
9W23
9W24
3W68
4K7
3W69
4K7
2W14
100n
2W13
47p
2W10
47p
+5V
9W15
IW15
IW16
9W17
9W18
9W16
IW21
3W50
100K
3W51
100K
2W84
10p
2W85
10p
5W07
1u8
9W71
9W72
AW13
1W07
X7351P
44M
IGND
OGND
GND
AW11
AW14
5W06
1u8
3W67
3K9
2W69
2p2
2W61
10n
2W70
10n
+5VTUN-MAIN
5W09
1K0
FW10
2W08
100n
7W12
UPC3218GV
INPUT1
INPUT2
VAGC
AGC CONTROL
VCC
OUTPUT1
OUTPUT2
GND1
GND2
2W03
10n
2W21
10n
2W22
10n
3W13
510R
IW20
IW22
Fitted in case of Analog Tuner
AGC-MAIN
FW23
3W15
33K
3W12
10K
9W04
RES
FW24
6W02
BAS316
6W03
BAS316
3W14
100K
7W10
BC847BW
IW25
3W16
22K
3W17
2K2
2W87
100n
IW70
FW02
9W01
9W02
2W02
2W20
2W88
2W89
2W90
+5VTUN-MAIN
5W12
30R
IW32
7W11
BFS20
IW34
2W92
2W93
3W18
2K2
2W91
10n
IW29
3W19
33R
IW30
5W15
1u0
3W20
33R
9W05
RES
AW15
3W21
2K7
3W22
270R
FW12
IF-TER-MAIN
3104 313 6080.4
G_15990_004.eps
120506

| | |
|---|---|
| 1W05 | A1 |
| 1W06 | A2 |
| 1W07 | B9 |
| 2W01 | B6 |
| 2W02 | H2 |
| 2W03 | C10 |
| 2W04 | B5 |
| 2W08 | B12 |
| 2W10 | F3 |
| 2W13 | E3 |
| 2W14 | D2 |
| 2W15 | C3 |
| 2W16 | C3 |
| 2W17 | B4 |
| 2W20 | H2 |
| 2W21 | B13 |
| 2W22 | B13 |
| 2W61 | B10 |
| 2W69 | B10 |
| 2W70 | B10 |
| 2W84 | B8 |
| 2W85 | B8 |
| 2W87 | G3 |
| 2W88 | H3 |
| 2W89 | H4 |
| 2W90 | H4 |
| 2W91 | G5 |
| 2W92 | G7 |
| 2W93 | G7 |
| 3W07 | E2 |
| 3W09 | E2 |
| 3W12 | G2 |
| 3W13 | B13 |
| 3W14 | H2 |
| 3W15 | G2 |
| 3W16 | H3 |
| 3W17 | H3 |
| 3W18 | G6 |
| 3W19 | G6 |
| 3W20 | H6 |
| 3W21 | H6 |
| 3W22 | H6 |
| 3W23 | C6 |
| 3W50 | B7 |
| 3W51 | B7 |
| 3W67 | B10 |
| 3W68 | D2 |
| 3W69 | E2 |
| 5W04 | B5 |
| 5W05 | A3 |
| 5W06 | B10 |
| 5W07 | B8 |
| 5W09 | A11 |
| 5W10 | E3 |
| 5W11 | E3 |
| 5W12 | G6 |
| 5W15 | H5 |
| 6W02 | H2 |
| 6W03 | H2 |
| 7W10 | H3 |
| 7W11 | G7 |
| 7W12 | B11 |
| 9W01 | G4 |
| 9W02 | G4 |
| 9W03 | B6 |
| 9W04 | G2 |
| 9W05 | H6 |
| 9W07 | B5 |
| 9W08 | B5 |
| 9W12 | C2 |
| 9W15 | A7 |
| 9W16 | B13 |
| 9W17 | C7 |
| 9W18 | C12 |
| 9W19 | B4 |
| 9W23 | D3 |
| 9W24 | E3 |
| 9W25 | B5 |
| 9W64 | E2 |
| 9W65 | F2 |
| 9W71 | B8 |
| 9W72 | B8 |
| AW02 | C5 |
| AW11 | B10 |
| AW12 | A6 |
| AW13 | B9 |
| AW14 | B10 |
| AW15 | H7 |
| FW01 | A4 |
| FW02 | G4 |
| FW03 | C2 |
| FW04 | C6 |
| FW05 | B5 |
| FW06 | C2 |
| FW10 | B12 |
| FW12 | I6 |
| FW23 | G1 |
| FW24 | H2 |
| IW02 | B5 |
| IW03 | B5 |
| IW13 | E3 |
| IW14 | F3 |
| IW15 | A9 |
| IW16 | C10 |
| IW20 | B13 |
| IW21 | B7 |
| IW22 | C13 |
| IW25 | H3 |
| IW26 | E2 |
| IW27 | D2 |
| IW28 | B4 |
| IW29 | G6 |
| IW30 | G6 |
| IW32 | G6 |
| IW34 | H7 |
| IW36 | E2 |
| IW42 | E2 |
| IW70 | G3 |

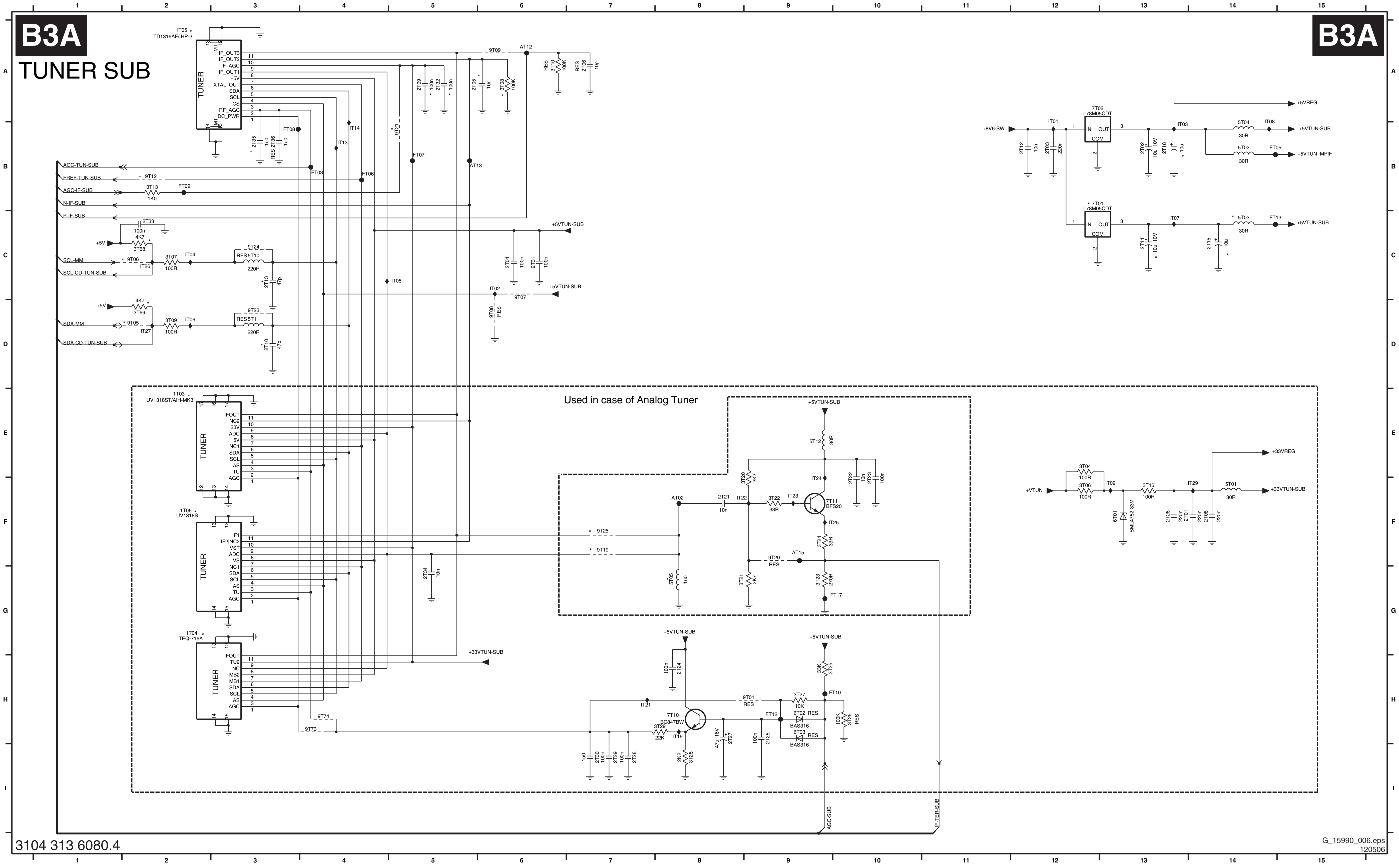
## SSB: Tuner Main Channel Decoder


B2B
TUNER MAIN: CHANNEL DECODER
B2B
used in case of a digitale tuner
1 2 3 4 5 6 7 8 9 10 11 12 13 14
A B C D E F G H
+3V3
7W14 LD1117DT18
IN OUT COM
FW15
+1V8DVB-MAIN
2W75 100n
2W76 10u 10V
3W75 22K
IW06
2W55 100n
3W79 33K
3W73 22K
IW05
7W18-1 BC847BPN
RES 9W42
7W18-2 BC847BPN
IW07
5W08 600R
FW11
2W74 100n
2W09 22u 6.3V
+3V3DVB-MAIN
2W56 10n RES
IW08
1K0 3W78
RESET-FE-MAIN
N-IF-MAIN
P-IF-MAIN
AGC-IF-MAIN
FREF-TUN-MAIN
AGC-TUN-MAIN
IW31
+3V3DVB-MAIN
5W14 1K0
7W13
IW18
3W70 220K
IW33
2W53 100n
74LVC1G04GW
IW09
3W81 10K
2W57 100n
3W76 360R
3W80 330R
IW40
2W81 100n
2W78 100n
IW38
IW37
3W74 1K0
+5V
3W71 2K2
3W72 4K7
2W18 100n
RES
3W77 100K
IW39
2W79 10n
2W80 10n
RES 2W82 39p
1W08 RES 16M
AW16
RES 2W83 39p
IW41
3W34 100K
IW56
7W19-2 BC847BPN
+3V3DVB-MAIN
3W31 10K
2W54 100n
IRQ-FE-MAIN
SEL-POD-MAIN
CISEL-3V3-MAIN
IW46
IW47
IW48
+3V3
RES 3W83 4K7
RES 3W84 4K7
RES 1W20
FW16
FW17
+5V
9W34 RES
9W33 RES
IW58
3W33 1K0
IW59
3W30 10K
7W19-1 BC847BPN
SDA-DMA-FE
SCL-DMA-FE
SDA-CD-TUN-MAIN
SCL-CD-TUN-MAIN
3W90 100R
3W92 100R
IW62
IW63
+3V3DVB-MAIN
9W35 RES
9W37
IW60
IW61
RES 2W51 47p
RES 2W52 47p
9W36
9W38 RES
SCL-DMA-FE
SDA-DMA-FE
+3V3DVB-MAIN
+1V8DVB-MAIN
2W73 100n
2W72 100n
2W71 100n
2W58 100n
2W59 100n
2W60 100n
2W63 100n
2W64 100n
2W65 100n
2W66 100n
+3V3DVB-MAIN
3W52 47K
2W86 100n
IW44
7W17 TDA10046AHT
VDD33_ADC VDDA33_ADC VDD18_PLL_ADC VDDA18_PLL VDDA18_OSC VDD18_4 VDD18_3 VDD18_2 VDD18_1 VDDE33_3 VDDE33_2 VDDE33_1
CLR_ AGC_TUN AGC_IF VIP VIM XIN XOUT GPIO0 GPIO1 GPIO2 GPIO3 SADDR0 SADDR1 SDA SCL SDA_TUN SCL_TUN TEST
I2C
VSSA_ADC VSS_PLL_ADC VSSA_OSC VSS7 VSS6 VSS5 VSS4 VSS3 VSS2 VSS1
MPEG-TS (SERIAL) JTAG
TDO TDI TMS TCK TRST ENSERI
RES 3W95 10K
9W39 9W40 9W41
IW17 9W14
JTAG-TD-DVBMAIN-DVBSUB
JTAG-TD-PNX2015-DVBMAIN
JTAG-TMS
JTAG-TCK
JTAG-TRST
MPEG-TS (SERIAL)
S_DO S_OCLK S_DEN S_PSYNC S_UNCOR
IW49 IW50 IW51 IW52 IW53
MPEG-TS (PARALLEL)
DO0 DO1 DO2 DO3 DO4 DO5 DO6 DO7 OCLK DEN PSYNC UNCOR SACLK
3W82-1 68R
3W82-2 68R
3W82-3 68R
3W82-4 68R
3W86-1 68R
3W86-2 68R
3W86-3 68R
3W86-4 68R
3W91-1 68R
3W91-2 68R
3W91-3 68R
FW14
FE-MAIN-DATA0
FE-MAIN-DATA1
FE-MAIN-DATA2
FE-MAIN-DATA3
FE-MAIN-DATA4
FE-MAIN-DATA5
FE-MAIN-DATA6
FE-MAIN-DATA7
FE-MAIN-CLK
FE-MAIN-VALID
FE-MAIN-SOP
3104 313 6080.4
G_15990_005.eps
300306

| | |
|---|---|
| 1W08 | F8 |
| 1W20 | G2 |
| 2W09 | C5 |
| 2W18 | E8 |
| 2W51 | H7 |
| 2W52 | H8 |
| 2W53 | D6 |
| 2W54 | F5 |
| 2W55 | B5 |
| 2W56 | C4 |
| 2W57 | E5 |
| 2W58 | D11 |
| 2W59 | D11 |
| 2W60 | D11 |
| 2W63 | D12 |
| 2W64 | D12 |
| 2W65 | D12 |
| 2W66 | D12 |
| 2W71 | C9 |
| 2W72 | C9 |
| 2W73 | C8 |
| 2W74 | C5 |
| 2W75 | B3 |
| 2W76 | B4 |
| 2W78 | E6 |
| 2W79 | E8 |
| 2W80 | F8 |
| 2W81 | F7 |
| 2W82 | F7 |
| 2W83 | F8 |
| 2W86 | E8 |
| 3W30 | G3 |
| 3W31 | F4 |
| 3W33 | G4 |
| 3W34 | F2 |
| 3W52 | D8 |
| 3W70 | D5 |
| 3W71 | E7 |
| 3W72 | E8 |
| 3W73 | A5 |
| 3W74 | E7 |
| 3W75 | A5 |
| 3W76 | E6 |
| 3W77 | E8 |
| 3W78 | C4 |
| 3W79 | B5 |
| 3W80 | F6 |
| 3W81 | E5 |
| 3W82-1 | G11 |
| 3W82-2 | G12 |
| 3W82-3 | G11 |
| 3W82-4 | G12 |
| 3W83 | G2 |
| 3W84 | G3 |
| 3W86-1 | G11 |
| 3W86-2 | G12 |
| 3W86-3 | G11 |
| 3W86-4 | G12 |
| 3W90 | G7 |
| 3W91-1 | G12 |
| 3W91-2 | G12 |
| 3W91-3 | G12 |
| 3W92 | G7 |
| 3W95 | E11 |
| 5W08 | C5 |
| 5W14 | D5 |
| 7W13 | E5 |
| 7W14 | B3 |
| 7W17 | D9 |
| 7W18-1 | B5 |
| 7W18-2 | C3 |
| 7W19-1 | G4 |
| 7W19-2 | F3 |
| 9W14 | F12 |
| 9W33 | G3 |
| 9W34 | G3 |
| 9W35 | G8 |
| 9W36 | H8 |
| 9W37 | G8 |
| 9W38 | H8 |
| 9W39 | E12 |
| 9W40 | E12 |
| 9W41 | E12 |
| 9W42 | C3 |
| AW16 | F8 |
| FW11 | C5 |
| FW14 | H11 |
| FW15 | B4 |
| FW16 | G2 |
| FW17 | G2 |
| IW05 | A5 |
| IW06 | A5 |
| IW07 | C4 |
| IW08 | C4 |
| IW09 | E5 |
| IW17 | F11 |
| IW18 | D5 |
| IW31 | D4 |
| IW33 | D6 |
| IW37 | E7 |
| IW38 | E6 |
| IW39 | E8 |
| IW40 | F6 |
| IW41 | F8 |
| IW44 | E8 |
| IW46 | F8 |
| IW47 | F8 |

## SSB: Tuner Sub

1T03 E2
1T04 G2
1T05 A2
1T06 F2
2T01 F13
2T02 B13
2T03 B12
2T04 C6
2T05 A5
2T06 A7
2T08 F14
2T09 A5
2T10 D3
2T12 B12
2T13 C3
2T14 C13
2T15 C14
2T18 B13
2T21 F8
2T22 F10
2T23 F10
2T24 H8
2T25 H9
2T26 F13
2T27 H8
2T28 I7
2T29 I7
2T30 I7
2T31 C6
2T32 A5
2T33 C2
2T34 G5
2T35 B3
2T36 B3
3T04 E12
3T06 F12
3T07 C2
3T08 A6
3T09 D2
3T10 A6
3T13 B2
3T16 F13
3T20 F9
3T21 G8
3T22 F9
3T23 G9
3T24 F9
3T25 H9
3T26 H10
3T27 H9
3T28 I8
3T29 H8
3T68 C2
3T69 D2
5T01 F14
5T02 B14
5T03 C14
5T04 B14
5T05 G8
5T10 C3
5T11 D3
5T12 E9
6T01 F13
6T02 H9
6T03 H9
7T01 B12
7T02 A12
7T10 H8
7T11 F9
9T01 H9
9T05 D2
9T06 C2
9T07 C6
9T08 D6
9T09 A6
9T12 B2
9T19 F7
9T20 F9
9T21 B5
9T23 D3
9T24 C3
9T25 F7
9T73 H4
9T74 H4
AT02 F8
AT12 A6
AT13 B5
AT15 F9
FT03 B4
FT05 B14
FT06 B4
FT07 B5
FT08 B3
FT09 B2
FT10 H10
FT12 H9
FT13 C14
FT17 G10
IT01 A12
IT02 C6
IT03 B13
IT04 C2
IT05 C5
IT06 D2
IT07 C13
IT08 A14
IT09 F13
IT13 B4
IT14 B4
IT19 H8
IT21 H7
IT22 F8
IT23 F9
IT24 F9
IT25 F10
IT26 C2
IT27 D2
IT29 F14


B3A
TUNER SUB
B3A
1T05 TD1316AF/IHP-3
TUNER
IF_OUT3
IF_OUT2
IF_AGC
IF_OUT1
+5V
XTAL_OUT
SDA
SCL
CS
RF_AGC
DC_PWR
AGC-TUN-SUB
FREF-TUN-SUB
AGC-IF-SUB
N-IF-SUB
P-IF-SUB
SCL-MM
SCL-CD-TUN-SUB
SDA-MM
SDA-CD-TUN-SUB
+5VTUN-SUB
+8V6-SW
7T02 L78M05CDT
7T01 L78M05CDT
IN
OUT
COM
+5VREG
+5VTUN-SUB
+5VTUN_MPIF
Used in case of Analog Tuner
1T03 UV1318ST/AIH-MK3
1T06 UV1318S
1T04 TEQ-716A
7T11 BFS20
7T10 BC847BW
6T02 BAS316
6T03 BAS316
+33VTUN-SUB
+33VREG
+VTUN
6T01 SML4752-33V
AGC-SUB
IF-TER-SUB
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I

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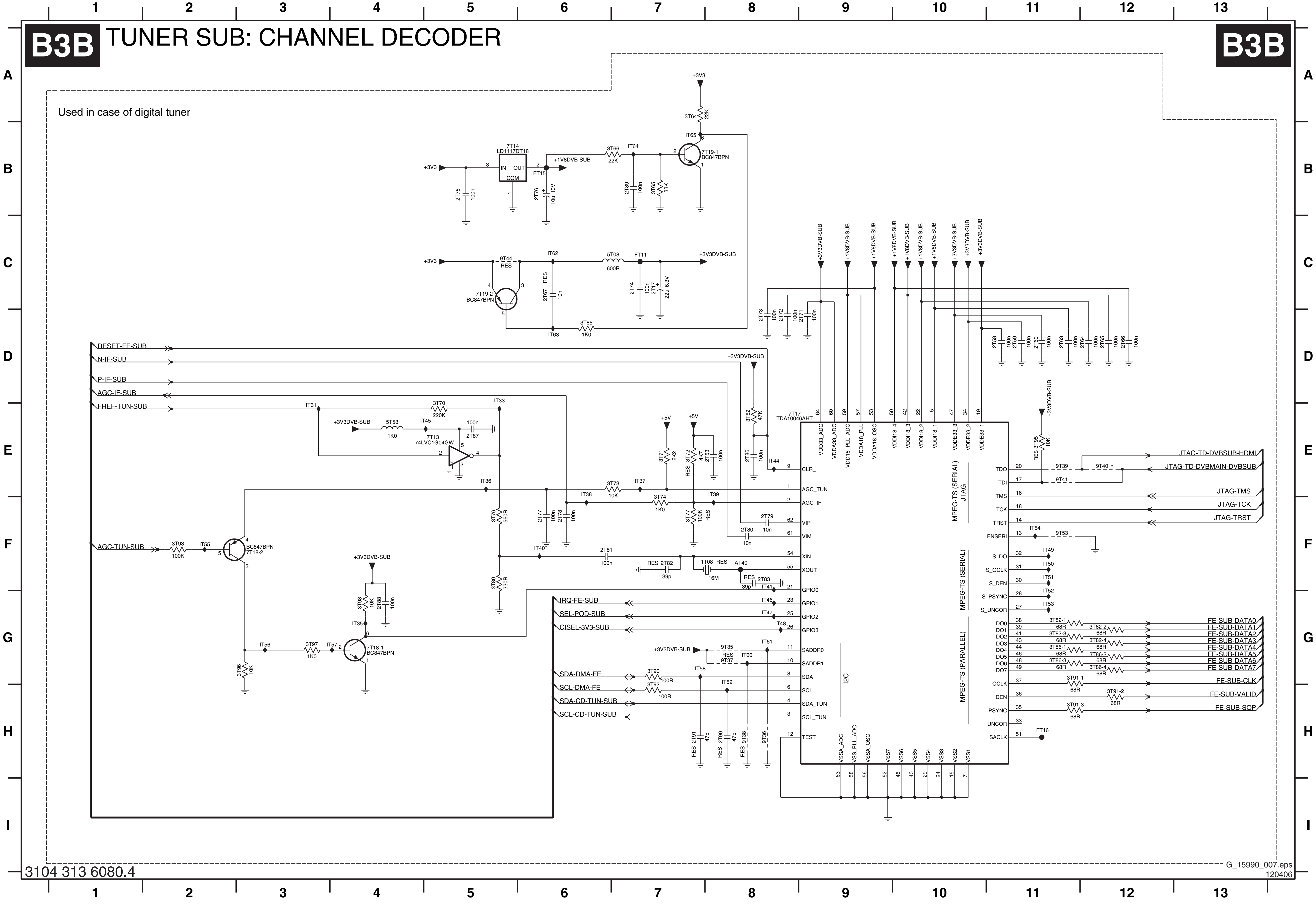
## SSB: Tuner Sub Channel Decoder


B3B
TUNER SUB: CHANNEL DECODER
B3B
Used in case of digital tuner
7T14
LD1117DT18
IN
OUT
COM
+3V3
+1V8DVB-SUB
FT15
2T75 100n
2T76 10u 10V
3T66 22K
IT64
2T89 100n
3T65 33K
3T64 22K
IT65
7T19-1 BC847BPN
9T44 RES
7T19-2 BC847BPN
IT62
2T67 RES 10n
5T08 600R
FT11
2T74 100n
2T17 22u 6.3V
+3V3DVB-SUB
3T85 1K0
IT63
RESET-FE-SUB
N-IF-SUB
P-IF-SUB
AGC-IF-SUB
FREF-TUN-SUB
AGC-TUN-SUB
IT31
3T70 220K
IT33
5T53 1K0
IT45
2T87 100n
7T13 74LVC1G04GW
IT36
3T76 560R
3T80 330R
3T93 100K
IT55
7T18-2 BC847BPN
3T98 10K
2T88 100n
IT35
IT56
3T97 1K0
IT57
7T18-1 BC847BPN
3T96 10K
2T77 100n
2T78 100n
IT38
3T73 10K
IT37
3T74 1K0
3T71 2K2
3T72 4K7
2T53 100n
IT39
3T77 100K RES
2T81 100n
IT40
RES 2T82 39p
1T08 RES 16M
AT40
RES 2T83 39p
IT41
IRQ-FE-SUB
SEL-POD-SUB
CISEL-3V3-SUB
IT46
IT47
IT48
SDA-DMA-FE
SCL-DMA-FE
SDA-CD-TUN-SUB
SCL-CD-TUN-SUB
3T90 100R
3T92 100R
IT58
IT59
9T35 RES
9T37
IT60
IT61
RES 2T91 47p
RES 2T90 47p
RES 9T38
9T36
3T52 47K
2T86 100n
IT44
2T79 10n
2T80 10n
7T17 TDA10046AHT
CLR_
AGC_TUN
AGC_IF
VIP
VIM
XIN
XOUT
GPIO0
GPIO1
GPIO2
GPIO3
SADDR0
SADDR1
SDA
SCL
SDA_TUN
SCL_TUN
TEST
I2C
VDD33_ADC
VDDA33_ADC
VDD18_PLL_ADC
VDDA18_PLL
VDDA18_OSC
VDDI18_4
VDDI18_3
VDDI18_2
VDDI18_1
VDDE33_3
VDDE33_2
VDDE33_1
VSSA_ADC
VSSA_PLL_ADC
VSSA_OSC
VSS7
VSS6
VSS5
VSS4
VSS3
VSS2
VSS1
2T73 100n
2T72 100n
2T71 100n
2T58 100n
2T59 100n
2T60 100n
2T63 100n
2T64 100n
2T65 100n
2T66 100n
RES 3T95 10K
TDO
TDI
TMS
TCK
TRST
ENSERI
JTAG
MPEG-TS (SERIAL)
9T39
9T40
9T41
IT54
9T53
JTAG-TD-DVBSUB-HDMI
JTAG-TD-DVBMAIN-DVBSUB
JTAG-TMS
JTAG-TCK
JTAG-TRST
S_DO
S_OCLK
S_DEN
S_PSYNC
S_UNCOR
IT49
IT50
IT51
IT52
IT53
MPEG-TS (PARALLEL)
DO0
DO1
DO2
DO3
DO4
DO5
DO6
DO7
OCLK
DEN
PSYNC
UNCOR
SACLK
3T82-1 68R
3T82-2 68R
3T82-3 68R
3T82-4 68R
3T86-1 68R
3T86-2 68R
3T86-3 68R
3T86-4 68R
3T91-1 68R
3T91-2 68R
3T91-3 68R
FE-SUB-DATA0
FE-SUB-DATA1
FE-SUB-DATA2
FE-SUB-DATA3
FE-SUB-DATA4
FE-SUB-DATA5
FE-SUB-DATA6
FE-SUB-DATA7
FE-SUB-CLK
FE-SUB-VALID
FE-SUB-SOP
FT16
+5V
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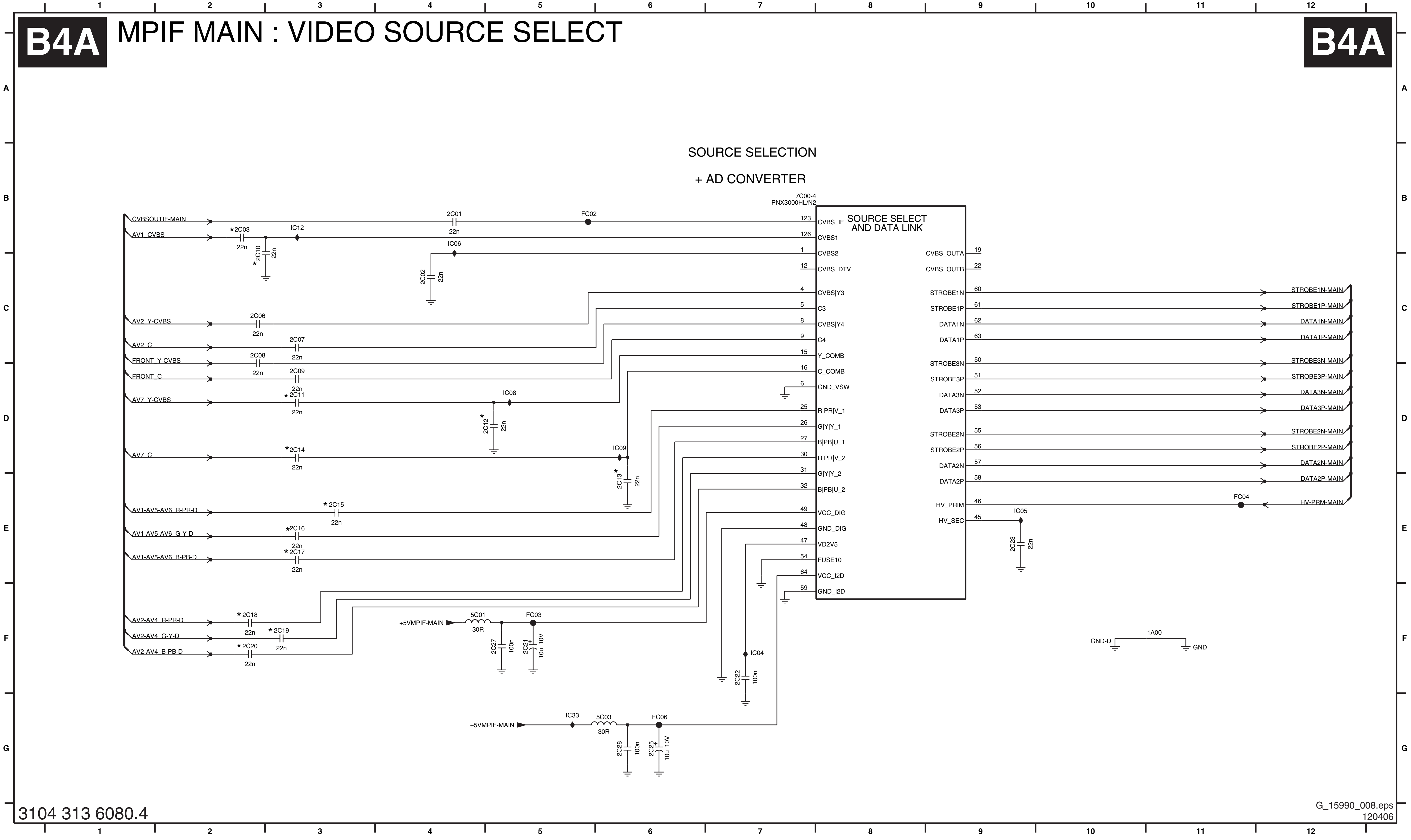
| | |
|---|---|
| 1T08 | F8 |
| 2T17 | C7 |
| 2T53 | E8 |
| 2T58 | D11 |
| 2T59 | D11 |
| 2T60 | D11 |
| 2T63 | D11 |
| 2T64 | D12 |
| 2T65 | D12 |
| 2T66 | D12 |
| 2T67 | C6 |
| 2T71 | D9 |
| 2T72 | D8 |
| 2T73 | D8 |
| 2T74 | C7 |
| 2T75 | B5 |
| 2T76 | B6 |
| 2T77 | F6 |
| 2T78 | F6 |
| 2T79 | F8 |
| 2T80 | F8 |
| 2T81 | F6 |
| 2T82 | F7 |
| 2T83 | F8 |
| 2T86 | E8 |
| 2T87 | E5 |
| 2T88 | G4 |
| 2T89 | B7 |
| 2T90 | H8 |
| 2T91 | H7 |
| 3T52 | E8 |
| 3T64 | A7 |
| 3T65 | B7 |
| 3T66 | B7 |
| 3T70 | E5 |
| 3T71 | E7 |
| 3T72 | E7 |
| 3T73 | E7 |
| 3T74 | F7 |
| 3T76 | F5 |
| 3T77 | F7 |
| 3T80 | F5 |
| 3T82-1 | G11 |
| 3T82-2 | G12 |
| 3T82-3 | G11 |
| 3T82-4 | G12 |
| 3T85 | D6 |
| 3T86-1 | G11 |
| 3T86-2 | G12 |
| 3T86-3 | G11 |
| 3T86-4 | G12 |
| 3T90 | G7 |
| 3T91-1 | G11 |
| 3T91-2 | H12 |
| 3T91-3 | H11 |
| 3T92 | H7 |
| 3T93 | F2 |
| 3T95 | E11 |
| 3T96 | G3 |
| 3T97 | G3 |
| 3T98 | G4 |
| 5T08 | C7 |
| 5T53 | E4 |
| 7T13 | E5 |
| 7T14 | B5 |
| 7T17 | E9 |
| 7T18-1 | G4 |
| 7T18-2 | F3 |
| 7T19-1 | B7 |
| 7T19-2 | C5 |
| 9T35 | G8 |
| 9T36 | H8 |
| 9T37 | G8 |
| 9T38 | H8 |
| 9T39 | E11 |
| 9T40 | E12 |
| 9T41 | E11 |
| 9T44 | C5 |
| 9T53 | F11 |
| AT40 | F8 |
| FT11 | C7 |
| FT15 | B6 |
| FT16 | H11 |
| IT31 | E3 |
| IT33 | D5 |
| IT35 | G4 |
| IT36 | E5 |
| IT37 | E7 |
| IT38 | E6 |
| IT39 | E8 |
| IT40 | F6 |
| IT41 | F8 |
| IT44 | E8 |
| IT45 | E5 |
| IT46 | G8 |
| IT47 | G8 |
| IT48 | G8 |
| IT49 | F11 |
| IT50 | F11 |
| IT51 | F11 |
| IT52 | F11 |
| IT53 | G11 |
| IT54 | F11 |
| IT55 | F2 |
| IT56 | G3 |
| IT57 | G4 |
| IT58 | G7 |
| IT59 | G8 |
| IT60 | G8 |
| IT61 | G8 |
| IT62 | C6 |
| IT63 | D6 |
| IT64 | B7 |
| IT65 | B7 |

## SSB: MPIF Main: Video Source Select

| | |
|---|---|
| 1A00 | F11 |
| 2C01 | B4 |
| 2C02 | C4 |
| 2C03 | B2 |
| 2C06 | C2 |
| 2C07 | C3 |
| 2C08 | C2 |
| 2C09 | D3 |
| 2C10 | C2 |
| 2C11 | D3 |
| 2C12 | D5 |
| 2C13 | E6 |
| 2C14 | D3 |
| 2C15 | E3 |
| 2C16 | E3 |
| 2C17 | E3 |
| 2C18 | F2 |
| 2C19 | F3 |
| 2C20 | F2 |
| 2C21 | F5 |
| 2C22 | F7 |
| 2C23 | E9 |
| 2C25 | G6 |
| 2C27 | F5 |
| 2C28 | G6 |
| 5C01 | F4 |
| 5C03 | G6 |
| 7C00-4 | B8 |
| FC02 | B5 |
| FC03 | F5 |
| FC04 | E11 |
| FC06 | G6 |
| IC04 | F7 |
| IC05 | E9 |
| IC06 | B4 |
| IC08 | D5 |
| IC09 | D6 |
| IC12 | B3 |
| IC33 | G5 |


B4A
MPIF MAIN : VIDEO SOURCE SELECT
B4A
SOURCE SELECTION
+ AD CONVERTER
7C00-4
PNX3000HL/N2
SOURCE SELECT
AND DATA LINK
CVBSOUTIF-MAIN
AV1_CVBS
AV2_Y-CVBS
AV2_C
FRONT_Y-CVBS
FRONT_C
AV7_Y-CVBS
AV7_C
AV1-AV5-AV6_R-PR-D
AV1-AV5-AV6_G-Y-D
AV1-AV5-AV6_B-PB-D
AV2-AV4_R-PR-D
AV2-AV4_G-Y-D
AV2-AV4_B-PB-D
2C01 22n
FC02
2C03 22n
2C10 22n
IC12
IC06
2C02 22n
2C06 22n
2C07 22n
2C08 22n
2C09 22n
2C11 22n
IC08
2C12 22n
2C14 22n
IC09
2C13 22n
2C15 22n
2C16 22n
2C17 22n
2C18 22n
2C19 22n
2C20 22n
+5VMPIF-MAIN
5C01 30R
FC03
2C27 100n
2C21 10u 10V
IC04
2C22 100n
+5VMPIF-MAIN
IC33
5C03 30R
FC06
2C28 100n
2C25 10u 10V
123 CVBS_IF
126 CVBS1
1 CVBS2
12 CVBS_DTV
4 CVBS|Y3
5 C3
8 CVBS|Y4
9 C4
15 Y_COMB
16 C_COMB
6 GND_VSW
25 R|PR|V_1
26 G|Y|Y_1
27 B|PB|U_1
30 R|PR|V_2
31 G|Y|Y_2
32 B|PB|U_2
49 VCC_DIG
48 GND_DIG
47 VD2V5
54 FUSE10
64 VCC_I2D
59 GND_I2D
CVBS_OUTA 19
CVBS_OUTB 22
STROBE1N 60
STROBE1P 61
DATA1N 62
DATA1P 63
STROBE3N 50
STROBE3P 51
DATA3N 52
DATA3P 53
STROBE2N 55
STROBE2P 56
DATA2N 57
DATA2P 58
HV_PRIM 46
HV_SEC 45
IC05
2C23 22n
FC04
STROBE1N-MAIN
STROBE1P-MAIN
DATA1N-MAIN
DATA1P-MAIN
STROBE3N-MAIN
STROBE3P-MAIN
DATA3N-MAIN
DATA3P-MAIN
STROBE2N-MAIN
STROBE2P-MAIN
DATA2N-MAIN
DATA2P-MAIN
HV-PRM-MAIN
GND-D
1A00
GND
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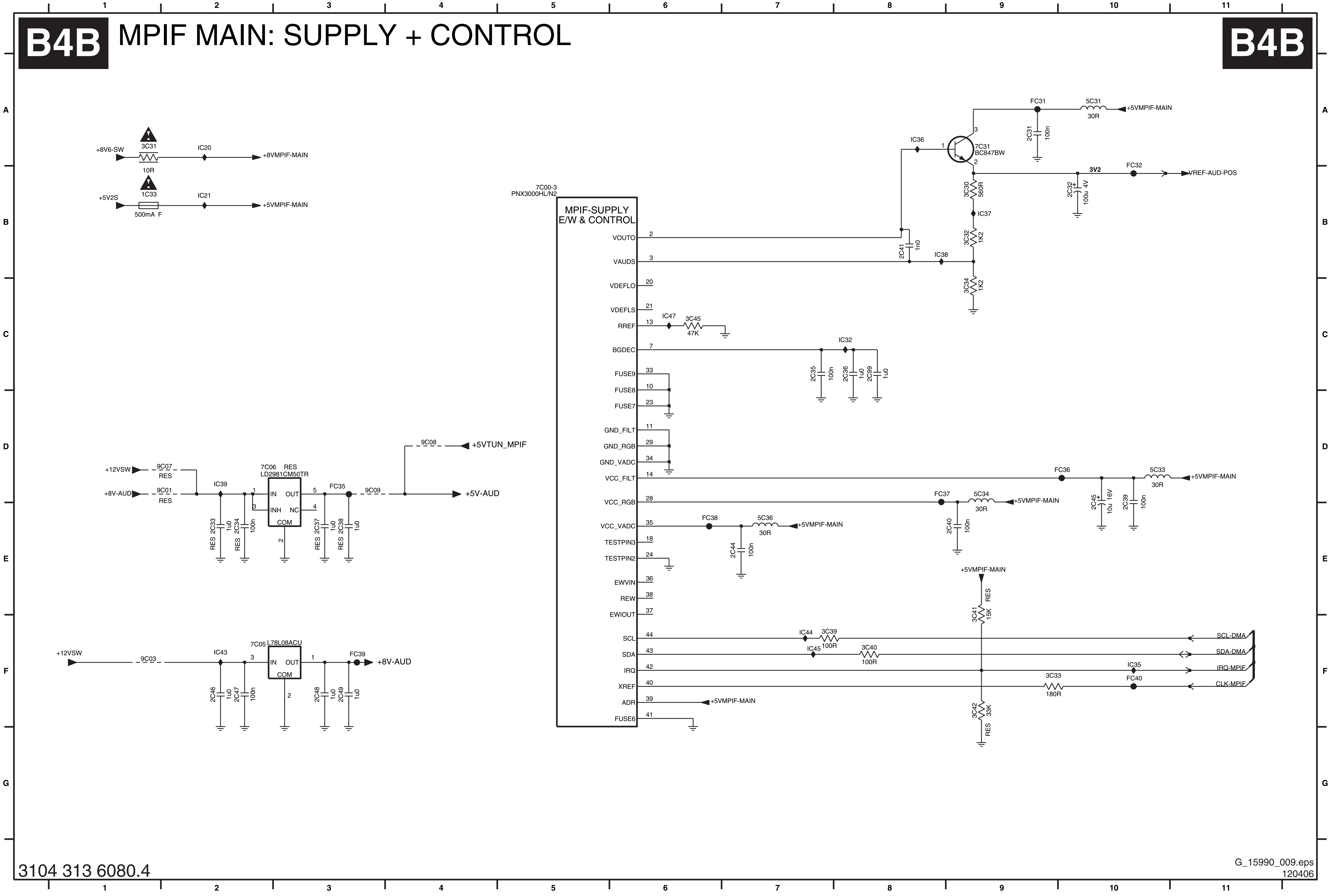
A B C D E F G
1 2 3 4 5 6 7 8 9 10 11 12

## SSB: MPIF Main: Supply & Control


B4B
MPIF MAIN: SUPPLY + CONTROL
B4B
+8V6-SW
3C31
10R
IC20
+8VMPIF-MAIN
+5V2S
1C33
500mA F
IC21
+5VMPIF-MAIN
7C00-3
PNX3000HL/N2
MPIF-SUPPLY
E/W & CONTROL
VOUTO
VAUDS
VDEFLO
VDEFLS
RREF
BGDEC
FUSE9
FUSE8
FUSE7
GND_FILT
GND_RGB
GND_VADC
VCC_FILT
VCC_RGB
VCC_VADC
TESTPIN3
TESTPIN2
EWVIN
REW
EWIOUT
SCL
SDA
IRQ
XREF
ADR
FUSE6
FC31
5C31
30R
2C31
100n
IC36
7C31
BC847BW
3V2
FC32
VREF-AUD-POS
2C32
100u 4V
3C30
560R
IC37
3C32
1K2
2C41
1n0
IC38
3C34
1K2
IC47
3C45
47K
IC32
2C35
100n
2C36
1u0
2C99
1u0
9C08
+5VTUN_MPIF
+12VSW
9C07
RES
+8V-AUD
9C01
RES
IC39
7C06 RES
LD2981CM50TR
IN
OUT
INH
NC
COM
FC35
9C09
+5V-AUD
2C33
1u0
2C34
100n
2C37
1u0
2C38
1u0
FC36
5C33
30R
2C45
10u 16V
2C39
100n
FC37
5C34
30R
2C40
100n
FC38
5C36
30R
2C44
100n
3C41
15K
RES
IC44
3C39
100R
IC45
3C40
100R
IC35
3C33
180R
FC40
SCL-DMA
SDA-DMA
IRQ-MPIF
CLK-MPIF
3C42
33K
+12VSW
9C03
IC43
7C05
L78L08ACU
FC39
+8V-AUD
2C46
1u0
2C47
100n
2C48
1u0
2C49
1u0
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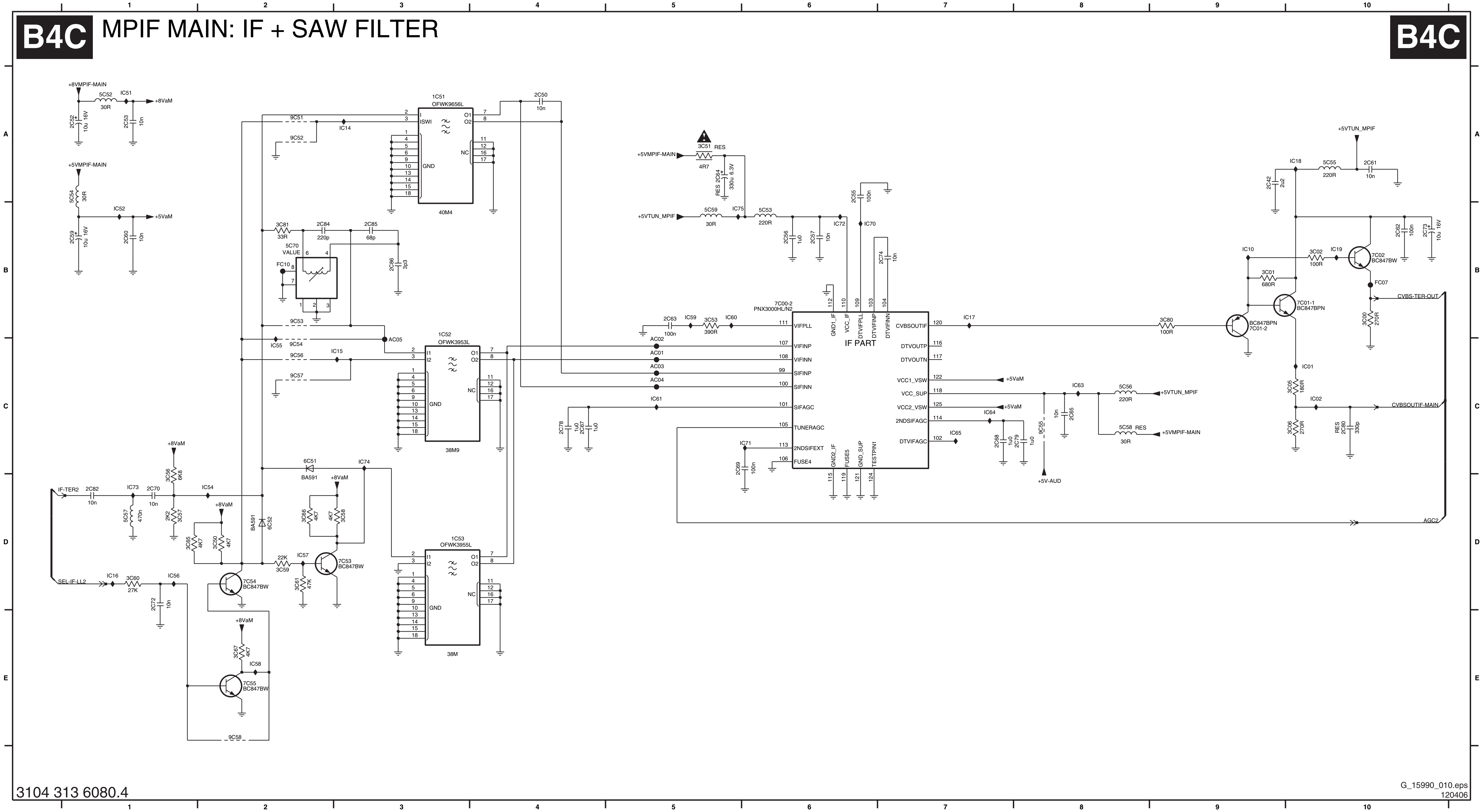
| | |
|---|---|
| 1C33 | B1 |
| 2C31 | A9 |
| 2C32 | B10 |
| 2C33 | E2 |
| 2C34 | E2 |
| 2C35 | C7 |
| 2C36 | C8 |
| 2C37 | E3 |
| 2C38 | E3 |
| 2C39 | D10 |
| 2C40 | E9 |
| 2C41 | B8 |
| 2C44 | E7 |
| 2C45 | D10 |
| 2C46 | F2 |
| 2C47 | F2 |
| 2C48 | F3 |
| 2C49 | F3 |
| 2C99 | C8 |
| 3C30 | B9 |
| 3C31 | A1 |
| 3C32 | B9 |
| 3C33 | F9 |
| 3C34 | C9 |
| 3C39 | F7 |
| 3C40 | F8 |
| 3C41 | E9 |
| 3C42 | F9 |
| 3C45 | C6 |
| 5C31 | A10 |
| 5C33 | D10 |
| 5C34 | D9 |
| 5C36 | E7 |
| 7C00-3 | B5 |
| 7C05 | F2 |
| 7C06 | D2 |
| 7C31 | A9 |
| 9C01 | D2 |
| 9C03 | F1 |
| 9C07 | D2 |
| 9C08 | D4 |
| 9C09 | D3 |
| FC31 | A9 |
| FC32 | B10 |
| FC35 | D3 |
| FC36 | D10 |
| FC37 | D8 |
| FC38 | E6 |
| FC39 | F3 |
| FC40 | F10 |
| IC20 | A2 |
| IC21 | B2 |
| IC32 | C8 |
| IC35 | F10 |
| IC36 | A8 |
| IC37 | B9 |
| IC38 | B8 |
| IC39 | D2 |
| IC43 | F2 |
| IC44 | F7 |
| IC45 | F7 |
| IC47 | C6 |

## SSB: MPIF Main: IF & SAW Filter

| | |
|---|---|
| 1C51 | A3 |
| 1C52 | B3 |
| 1C53 | D3 |
| 2C42 | A9 |
| 2C50 | A4 |
| 2C52 | A1 |
| 2C53 | A1 |
| 2C55 | A6 |
| 2C56 | B6 |
| 2C57 | B6 |
| 2C59 | B1 |
| 2C60 | B1 |
| 2C61 | A10 |
| 2C62 | B10 |
| 2C63 | B5 |
| 2C64 | A5 |
| 2C65 | C8 |
| 2C67 | C4 |
| 2C68 | C7 |
| 2C69 | C5 |
| 2C70 | D1 |
| 2C72 | D1 |
| 2C73 | B10 |
| 2C74 | B7 |
| 2C78 | C4 |
| 2C79 | C8 |
| 2C80 | C10 |
| 2C82 | D1 |
| 2C84 | B2 |
| 2C85 | B3 |
| 2C86 | B3 |
| 3C00 | B10 |
| 3C01 | B9 |
| 3C02 | B10 |
| 3C05 | C10 |
| 3C06 | C10 |
| 3C50 | D2 |
| 3C51 | A5 |
| 3C53 | B5 |
| 3C56 | D1 |
| 3C57 | D1 |
| 3C58 | D3 |
| 3C59 | D2 |
| 3C60 | D1 |
| 3C61 | D2 |
| 3C65 | D1 |
| 3C66 | D2 |
| 3C67 | E2 |
| 3C80 | B9 |
| 3C81 | B2 |
| 5C52 | A1 |
| 5C53 | B6 |
| 5C54 | A1 |
| 5C55 | A10 |
| 5C56 | C8 |
| 5C57 | D1 |
| 5C58 | C8 |
| 5C59 | B5 |
| 5C70 | B2 |
| 6C51 | C2 |
| 6C52 | D2 |
| 7C00-2 | B6 |
| 7C01-1 | B10 |
| 7C01-2 | B9 |
| 7C02 | B10 |
| 7C53 | D3 |
| 7C54 | D2 |
| 7C55 | E2 |
| 9C51 | A2 |
| 9C52 | A2 |
| 9C53 | B2 |
| 9C54 | C2 |
| 9C55 | C8 |
| 9C56 | C2 |
| 9C57 | C2 |
| 9C58 | E2 |
| AC01 | C5 |
| AC02 | C5 |
| AC03 | C5 |
| AC04 | C5 |
| AC05 | C3 |
| FC07 | B10 |
| FC10 | B2 |
| IC01 | C10 |
| IC02 | C10 |
| IC10 | B9 |
| IC14 | A3 |
| IC15 | C3 |
| IC16 | D1 |
| IC17 | B7 |
| IC18 | A10 |
| IC19 | B10 |
| IC51 | A1 |
| IC52 | B1 |
| IC54 | D2 |
| IC55 | C2 |
| IC56 | D1 |
| IC57 | D2 |
| IC58 | E2 |
| IC59 | B5 |
| IC60 | B5 |
| IC61 | C5 |
| IC63 | C8 |
| IC64 | C7 |
| IC65 | C7 |
| IC70 | B6 |
| IC71 | C6 |
| IC72 | B6 |
| IC73 | D1 |
| IC74 | C3 |
| IC75 | B5 |

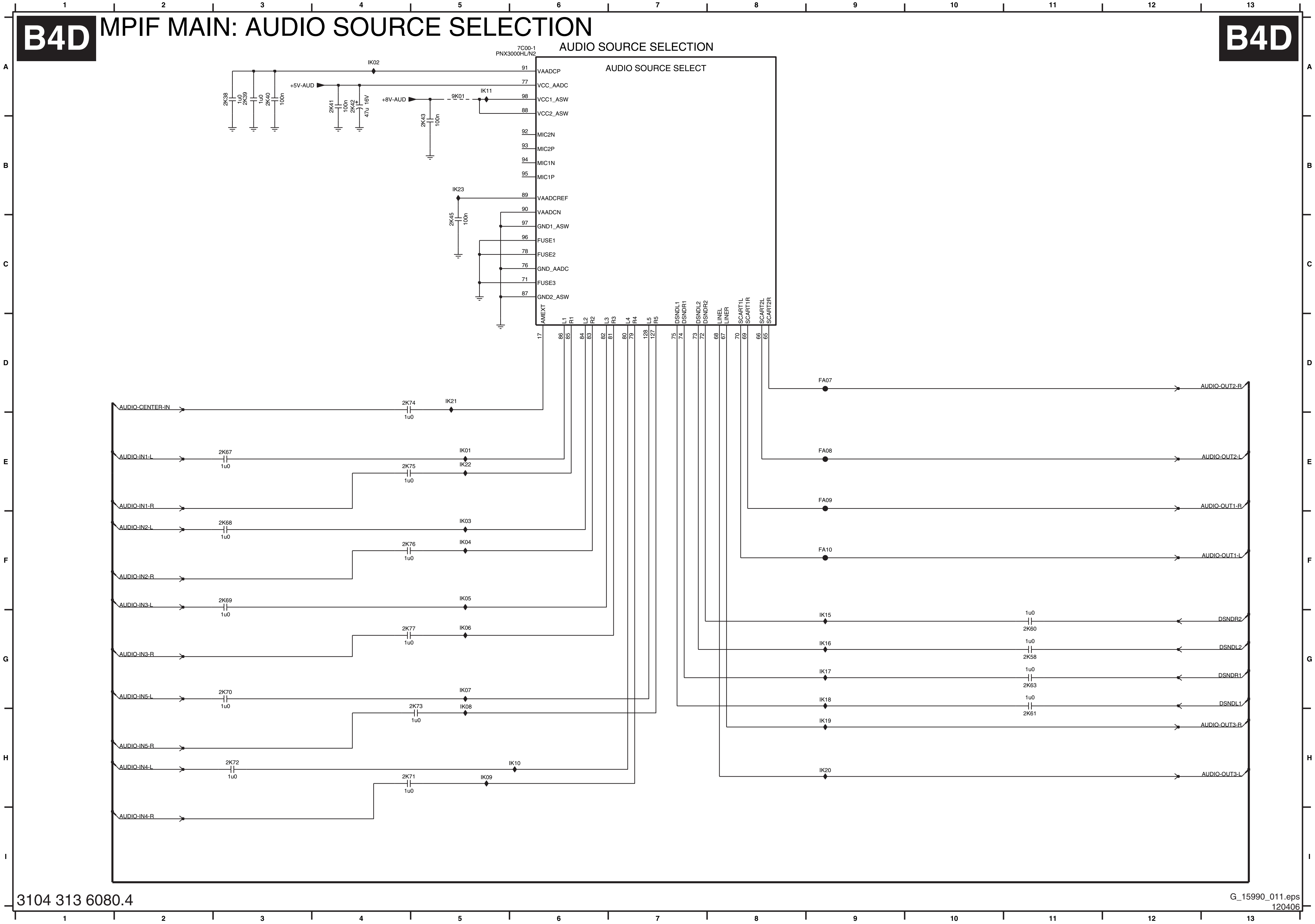
### B4C MPIF MAIN: IF + SAW FILTER


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
B4C
+8VMPIF-MAIN
5C52
30R
IC51
+8VaM
2C52
10u 16V
2C53
10n
+5VMPIF-MAIN
5C54
30R
IC52
+5VaM
2C59
10u 16V
2C60
10n
9C51
9C52
IC14
1C51
OFWK9656L
ISWI
O1
O2
GND
NC
40M4
2C50
10n
3C81
33R
2C84
220p
2C85
68p
5C70
VALUE
FC10
2C86
3p3
9C53
AC05
9C54
IC55
9C56
IC15
9C57
1C52
OFWK3953L
I1
I2
38M9
+5VMPIF-MAIN
3C51
RES
4R7
RES 2C64
330u 6.3V
+5VTUN_MPIF
5C59
30R
IC75
5C53
220R
2C56
1u0
2C57
10n
IC72
IC70
2C55
100n
2C74
10n
7C00-2
PNX3000HL/N2
IF PART
2C63
100n
IC59
3C53
390R
IC60
AC02
AC01
AC03
AC04
IC61
2C78
1u0
2C67
1u0
VIFPLL
VIFINP
VIFINN
SIFINP
SIFINN
SIFAGC
TUNERAGC
2NDSIFEXT
FUSE4
GND1_IF
VCC_IF
DTVIFPLL
DTVIFINP
DTVIFINN
GND2_IF
FUSE5
GND_SUP
TESTPIN1
CVBSOUTIF
DTVOUTP
DTVOUTN
VCC1_VSW
VCC_SUP
VCC2_VSW
2NDSIFAGC
DTVIFAGC
IC71
2C69
100n
IC17
IC65
IC64
IC63
+5VaM
5C56
220R
+5VTUN_MPIF
5C58 RES
30R
+5VMPIF-MAIN
2C68
1u0
2C79
1u0
9C55
10n
2C65
+5V-AUD
3C80
100R
BC847BPN
7C01-2
+5VTUN_MPIF
IC18
5C55
220R
2C61
10n
2C42
2u2
2C62
100n
2C73
10u 16V
IC10
3C02
100R
IC19
7C02
BC847BW
3C01
680R
FC07
7C01-1
BC847BPN
CVBS-TER-OUT
3C00
270R
IC01
3C05
180R
IC02
CVBSOUTIF-MAIN
3C06
270R
RES
2C80
330p
AGC2
+8VaM
3C56
6K8
IF-TER2
2C82
10n
IC73
2C70
10n
IC54
5C57
470n
3C57
2K2
3C65
4K7
3C50
4K7
BA591
6C52
6C51
BA591
IC74
3C66
4K7
3C58
4K7
22K
3C59
IC57
3C61
47K
7C53
BC847BW
7C54
BC847BW
SEL-IF-LL2
IC16
3C60
27K
IC56
2C72
10n
1C53
OFWK3955L
38M
3C67
4K7
IC58
7C55
BC847BW
9C58

3104 313 6080.4

G_15990_010.eps
120406

## SSB: MPIF Main: Audio Source Selection


B4D
MPIF MAIN: AUDIO SOURCE SELECTION
B4D
AUDIO SOURCE SELECTION
AUDIO SOURCE SELECT
7C00-1
PNX3000HL/N2
IK02
+5V-AUD
+8V-AUD
9K01
IK11
2K38 1u0
2K39 1u0
2K40 100n
2K41 100n
2K42 47u 16V
2K43 100n
91 VAADCP
77 VCC_AADC
98 VCC1_ASW
88 VCC2_ASW
92 MIC2N
93 MIC2P
94 MIC1N
95 MIC1P
IK23
2K45 100n
89 VAADCREF
90 VAADCN
97 GND1_ASW
96 FUSE1
78 FUSE2
76 GND_AADC
71 FUSE3
87 GND2_ASW
17 AMEXT
86 L1
85 R1
84 L2
83 R2
82 L3
81 R3
80 L4
79 R4
128 L5
127 R5
75 DSNDL1
74 DSNDR1
73 DSNDL2
72 DSNDR2
68 LINEL
67 LINER
70 SCART1L
69 SCART1R
66 SCART2L
65 SCART2R
AUDIO-CENTER-IN
2K74 1u0
IK21
AUDIO-IN1-L
2K67 1u0
IK01
2K75 1u0
IK22
AUDIO-IN1-R
AUDIO-IN2-L
2K68 1u0
IK03
2K76 1u0
IK04
AUDIO-IN2-R
AUDIO-IN3-L
2K69 1u0
IK05
2K77 1u0
IK06
AUDIO-IN3-R
AUDIO-IN5-L
2K70 1u0
IK07
2K73 1u0
IK08
AUDIO-IN5-R
AUDIO-IN4-L
2K72 1u0
IK10
2K71 1u0
IK09
AUDIO-IN4-R
FA07
AUDIO-OUT2-R
FA08
AUDIO-OUT2-L
FA09
AUDIO-OUT1-R
FA10
AUDIO-OUT1-L
IK15
1u0 2K60
DSNDR2
IK16
1u0 2K58
DSNDL2
IK17
1u0 2K63
DSNDR1
IK18
1u0 2K61
DSNDL1
IK19
AUDIO-OUT3-R
IK20
AUDIO-OUT3-L
1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G H I
3104 313 6080.4
G_15990_011.eps
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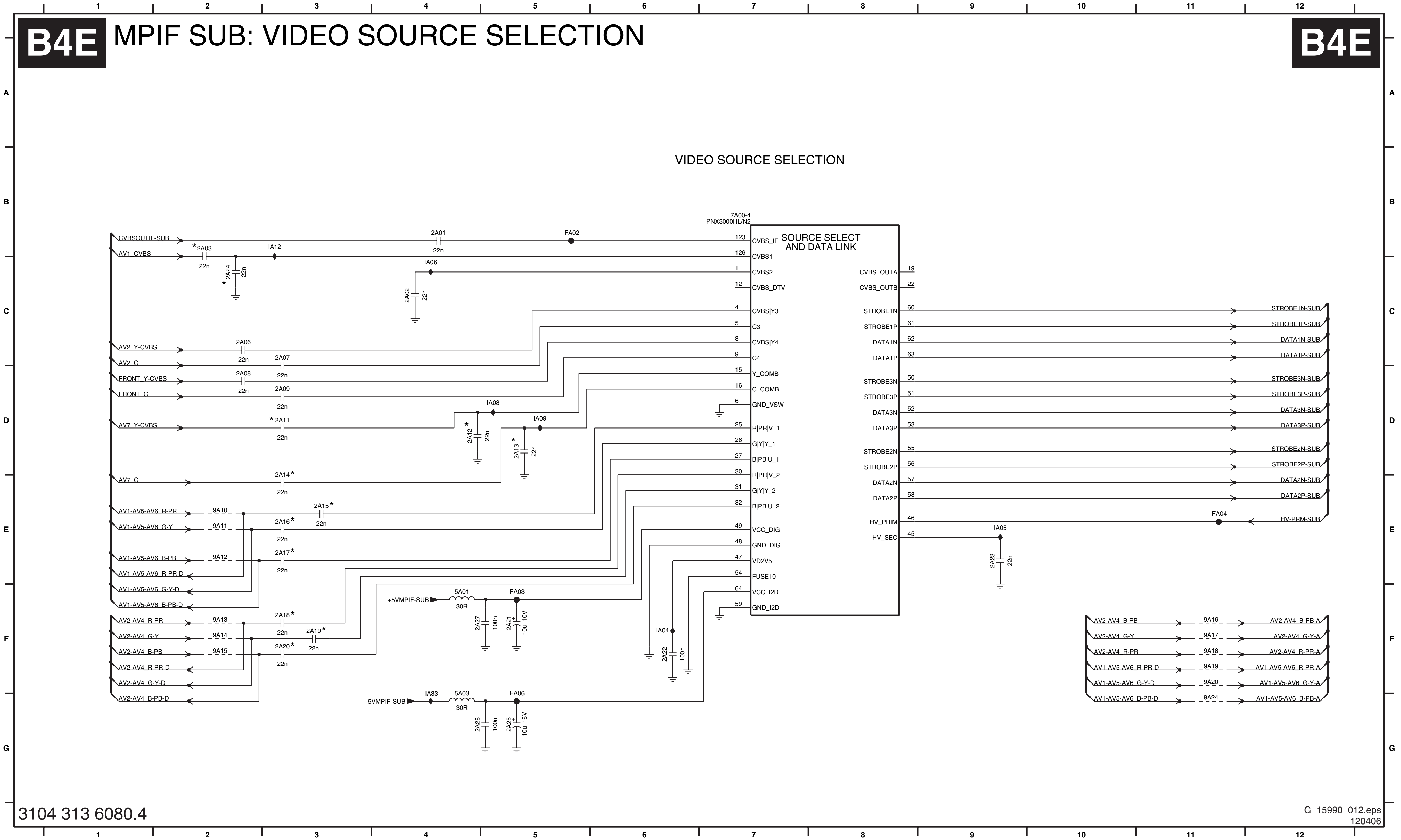
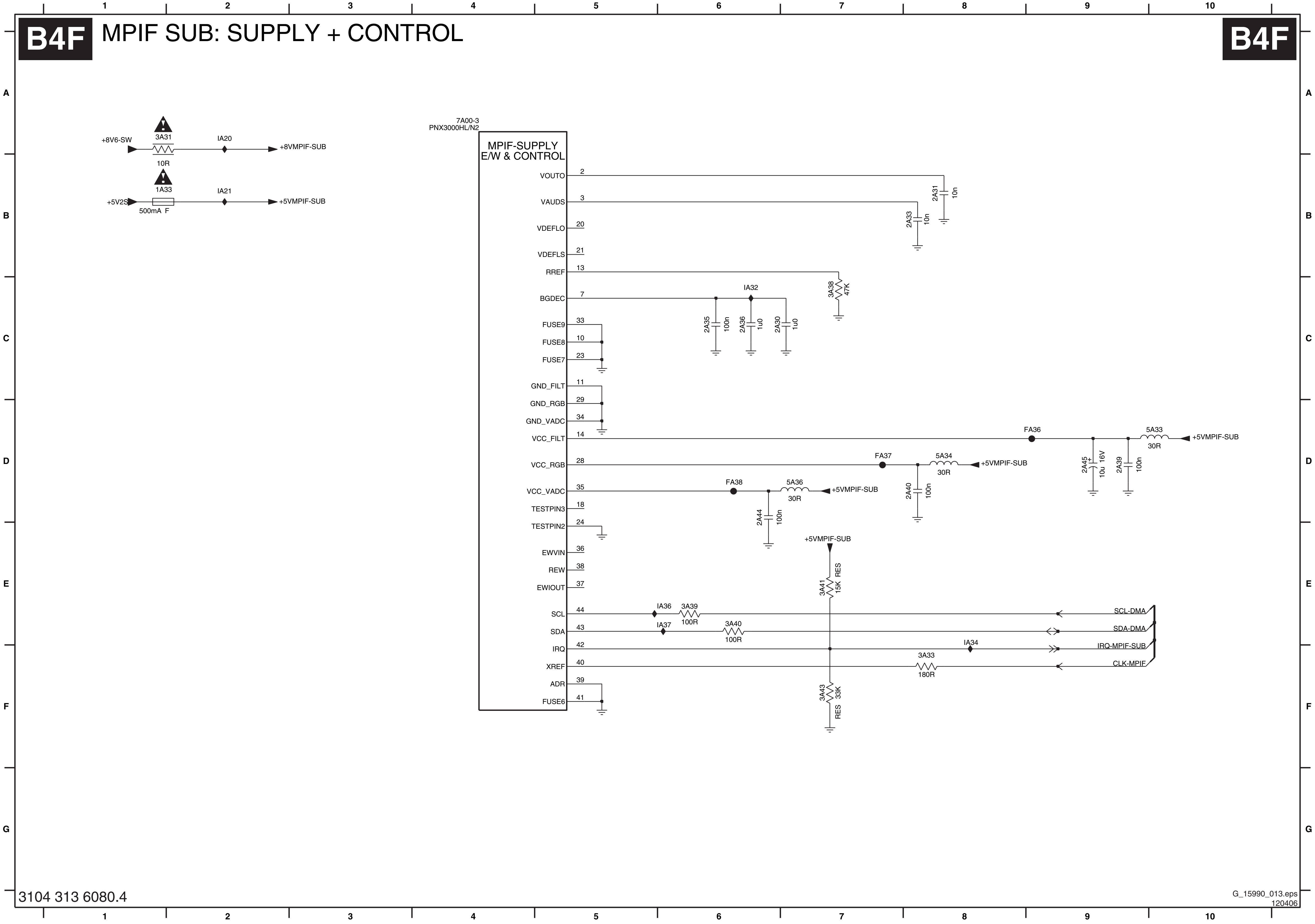
| | |
|---|---|
| 2K38 | A3 |
| 2K39 | A3 |
| 2K40 | A3 |
| 2K41 | A4 |
| 2K42 | A4 |
| 2K43 | B5 |
| 2K45 | C5 |
| 2K58 | G11 |
| 2K60 | G11 |
| 2K61 | H11 |
| 2K63 | G11 |
| 2K67 | E3 |
| 2K68 | F3 |
| 2K69 | F3 |
| 2K70 | G3 |
| 2K71 | H4 |
| 2K72 | H3 |
| 2K73 | G5 |
| 2K74 | D4 |
| 2K75 | E4 |
| 2K76 | F4 |
| 2K77 | G4 |
| 7C00-1 | A6 |
| 9K01 | A5 |
| FA07 | D9 |
| FA08 | E9 |
| FA09 | E9 |
| FA10 | F9 |
| IK01 | E5 |
| IK02 | A4 |
| IK03 | F5 |
| IK04 | F5 |
| IK05 | F5 |
| IK06 | G5 |
| IK07 | G5 |
| IK08 | G5 |
| IK09 | H5 |
| IK10 | H6 |
| IK11 | A5 |
| IK15 | G9 |
| IK16 | G9 |
| IK17 | G9 |
| IK18 | G9 |
| IK19 | H9 |
| IK20 | H9 |
| IK21 | D5 |
| IK22 | E5 |
| IK23 | B5 |

## SSB: MPIF Sub: Video Source Selection


B4E
MPIF SUB: VIDEO SOURCE SELECTION
B4E
VIDEO SOURCE SELECTION
7A00-4
PNX3000HL/N2
SOURCE SELECT
AND DATA LINK
CVBSOUTIF-SUB
AV1_CVBS
AV2_Y-CVBS
AV2_C
FRONT_Y-CVBS
FRONT_C
AV7_Y-CVBS
AV7_C
AV1-AV5-AV6_R-PR
AV1-AV5-AV6_G-Y
AV1-AV5-AV6_B-PB
AV1-AV5-AV6_R-PR-D
AV1-AV5-AV6_G-Y-D
AV1-AV5-AV6_B-PB-D
AV2-AV4_R-PR
AV2-AV4_G-Y
AV2-AV4_B-PB
AV2-AV4_R-PR-D
AV2-AV4_G-Y-D
AV2-AV4_B-PB-D
2A01 22n
2A03 22n
2A24 22n
2A02 22n
2A06 22n
2A07 22n
2A08 22n
2A09 22n
2A11 22n
2A12 22n
2A13 22n
2A14 22n
2A15 22n
2A16 22n
2A17 22n
2A18 22n
2A19 22n
2A20 22n
2A23 22n
2A22 100n
2A27 100n
2A21 10u 10V
2A28 100n
2A25 10u 16V
5A01 30R
5A03 30R
FA02
FA03
FA04
FA06
IA04
IA05
IA06
IA08
IA09
IA12
IA33
9A10
9A11
9A12
9A13
9A14
9A15
+5VMPIF-SUB
+5VMPIF-SUB
123 CVBS_IF
126 CVBS1
1 CVBS2
12 CVBS_DTV
4 CVBS|Y3
5 C3
8 CVBS|Y4
9 C4
15 Y_COMB
16 C_COMB
6 GND_VSW
25 R|PR|V_1
26 G|Y|Y_1
27 B|PB|U_1
30 R|PR|V_2
31 G|Y|Y_2
32 B|PB|U_2
49 VCC_DIG
48 GND_DIG
47 VD2V5
54 FUSE10
64 VCC_I2D
59 GND_I2D
CVBS_OUTA 19
CVBS_OUTB 22
STROBE1N 60
STROBE1P 61
DATA1N 62
DATA1P 63
STROBE3N 50
STROBE3P 51
DATA3N 52
DATA3P 53
STROBE2N 55
STROBE2P 56
DATA2N 57
DATA2P 58
HV_PRIM 46
HV_SEC 45
STROBE1N-SUB
STROBE1P-SUB
DATA1N-SUB
DATA1P-SUB
STROBE3N-SUB
STROBE3P-SUB
DATA3N-SUB
DATA3P-SUB
STROBE2N-SUB
STROBE2P-SUB
DATA2N-SUB
DATA2P-SUB
HV-PRM-SUB
AV2-AV4_B-PB 9A16 AV2-AV4_B-PB-A
AV2-AV4_G-Y 9A17 AV2-AV4_G-Y-A
AV2-AV4_R-PR 9A18 AV2-AV4_R-PR-A
AV1-AV5-AV6_R-PR-D 9A19 AV1-AV5-AV6_R-PR-A
AV1-AV5-AV6_G-Y-D 9A20 AV1-AV5-AV6_G-Y-A
AV1-AV5-AV6_B-PB-D 9A24 AV1-AV5-AV6_B-PB-A
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G
3104 313 6080.4
G_15990_012.eps
120406

| | |
|---|---|
| 2A01 | B4 |
| 2A02 | C4 |
| 2A03 | B2 |
| 2A06 | C2 |
| 2A07 | C3 |
| 2A08 | D2 |
| 2A09 | D3 |
| 2A11 | D3 |
| 2A12 | D4 |
| 2A13 | D5 |
| 2A14 | E3 |
| 2A15 | E3 |
| 2A16 | E3 |
| 2A17 | E3 |
| 2A18 | F3 |
| 2A19 | F3 |
| 2A20 | F3 |
| 2A21 | F5 |
| 2A22 | F6 |
| 2A23 | E9 |
| 2A24 | C2 |
| 2A25 | G5 |
| 2A27 | F4 |
| 2A28 | G4 |
| 5A01 | F4 |
| 5A03 | G4 |
| 7A00-4 | B7 |
| 9A10 | E2 |
| 9A11 | E2 |
| 9A12 | E2 |
| 9A13 | F2 |
| 9A14 | F2 |
| 9A15 | F2 |
| 9A16 | F11 |
| 9A17 | F11 |
| 9A18 | F11 |
| 9A19 | F11 |
| 9A20 | F11 |
| 9A24 | G11 |
| FA02 | B5 |
| FA03 | F5 |
| FA04 | E11 |
| FA06 | G5 |
| IA04 | F6 |
| IA05 | E9 |
| IA06 | C4 |
| IA08 | D5 |
| IA09 | D5 |
| IA12 | B3 |
| IA33 | F4 |

## SSB: MPIF Sub: Supply & Control

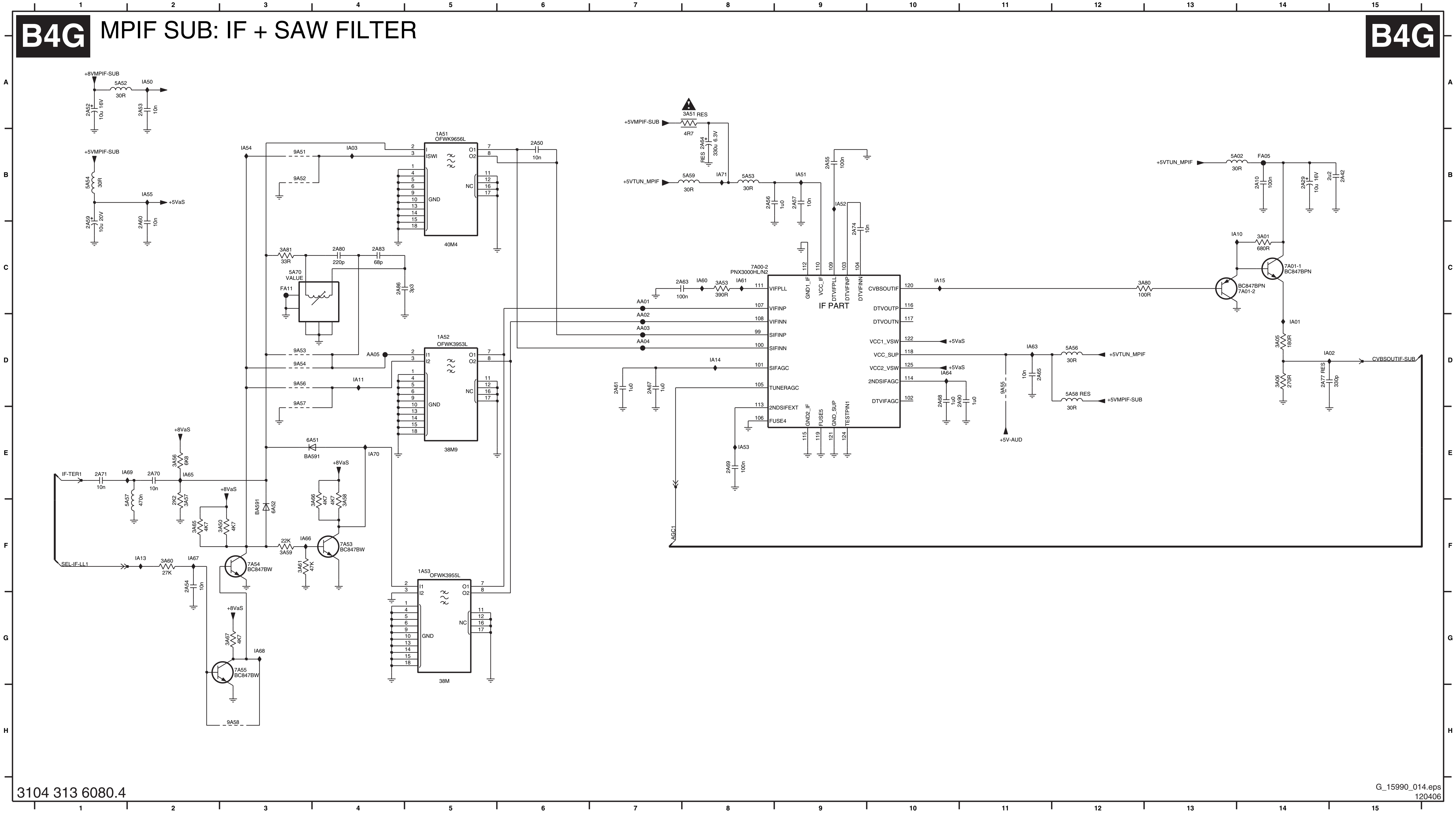

B4F
MPIF SUB: SUPPLY + CONTROL
B4F
1 2 3 4 5 6 7 8 9 10
A B C D E F G
7A00-3
PNX3000HL/N2
MPIF-SUPPLY
E/W & CONTROL
VOUTO 2
VAUDS 3
VDEFLO 20
VDEFLS 21
RREF 13
BGDEC 7
FUSE9 33
FUSE8 10
FUSE7 23
GND_FILT 11
GND_RGB 29
GND_VADC 34
VCC_FILT 14
VCC_RGB 28
VCC_VADC 35
TESTPIN3 18
TESTPIN2 24
EWVIN 36
REW 38
EWIOUT 37
SCL 44
SDA 43
IRQ 42
XREF 40
ADR 39
FUSE6 41
+8V6-SW
3A31
10R
IA20
+8VMPIF-SUB
1A33
500mA F
+5V2S
IA21
+5VMPIF-SUB
2A31 10n
2A33 10n
3A38 47K
IA32
2A35 100n
2A36 1u0
2A30 1u0
FA36
5A33 30R
+5VMPIF-SUB
2A45 10u 16V
2A39 100n
FA37
5A34 30R
+5VMPIF-SUB
2A40 100n
FA38
5A36 30R
+5VMPIF-SUB
2A44 100n
+5VMPIF-SUB
3A41 15K RES
IA36
3A39 100R
IA37
3A40 100R
IA34
3A33 180R
3A43 33K RES
SCL-DMA
SDA-DMA
IRQ-MPIF-SUB
CLK-MPIF
3104 313 6080.4
G_15990_013.eps
120406

| | |
|---|---|
| 1A33 | B1 |
| 2A30 | C6 |
| 2A31 | B8 |
| 2A33 | B8 |
| 2A35 | C6 |
| 2A36 | C6 |
| 2A39 | D9 |
| 2A40 | D8 |
| 2A44 | D6 |
| 2A45 | D9 |
| 3A31 | A1 |
| 3A33 | F8 |
| 3A38 | C7 |
| 3A39 | E6 |
| 3A40 | E6 |
| 3A41 | E7 |
| 3A43 | F7 |
| 5A33 | D10 |
| 5A34 | D8 |
| 5A36 | D7 |
| 7A00-3 | A4 |
| FA36 | D9 |
| FA37 | D7 |
| FA38 | D6 |
| IA20 | A2 |
| IA21 | B2 |
| IA32 | C6 |
| IA34 | E8 |
| IA36 | E6 |
| IA37 | E6 |

## SSB: MPIF Sub: IF & SAW Filter

1A51 B5
1A52 D5
1A53 F5
2A10 B14
2A29 B14
2A42 B15
2A50 B6
2A52 A1
2A53 A2
2A54 F2
2A55 B9
2A56 B8
2A57 B9
2A59 C1
2A60 C2
2A61 D7
2A63 C8
2A64 B8
2A65 D11
2A67 D7
2A68 D10
2A69 E8
2A70 E2
2A71 E1
2A74 C9
2A77 D14
2A80 C4
2A83 C4
2A86 C4
2A90 D11
3A01 C14
3A05 D14
3A06 D14
3A50 F3
3A51 A8
3A53 C8
3A56 E2
3A57 F2
3A58 F4
3A59 F3
3A60 F2
3A61 F3
3A65 F2
3A66 F4
3A67 G3
3A80 C13
3A81 C3
5A02 B14
5A52 A1
5A53 B8
5A54 B1
5A56 D12
5A57 F2
5A58 D12
5A59 B8
5A70 C3
6A51 E4
6A52 F3
7A00-2 C8
7A01-1 C14
7A01-2 C14
7A53 F4
7A54 F3
7A55 G3
9A51 B3
9A52 B3
9A53 D3
9A54 D3
9A55 D11
9A56 D3
9A57 D3
9A58 H3
AA01 C7
AA02 D7
AA03 D7
AA04 D7
AA05 D4
FA05 B14
FA11 C3
IA01 D14
IA02 D15
IA03 B4
IA10 C14
IA11 D4
IA13 F2
IA14 D8
IA15 C10
IA50 A2
IA51 B9
IA52 B9
IA53 E8
IA54 B3
IA55 B2
IA60 C8
IA61 C8
IA63 D11
IA64 D10
IA65 E2
IA66 F3
IA67 F2
IA68 G3
IA69 E2
IA70 E4
IA71 B8

# B4G MPIF SUB: IF + SAW FILTER


1
2
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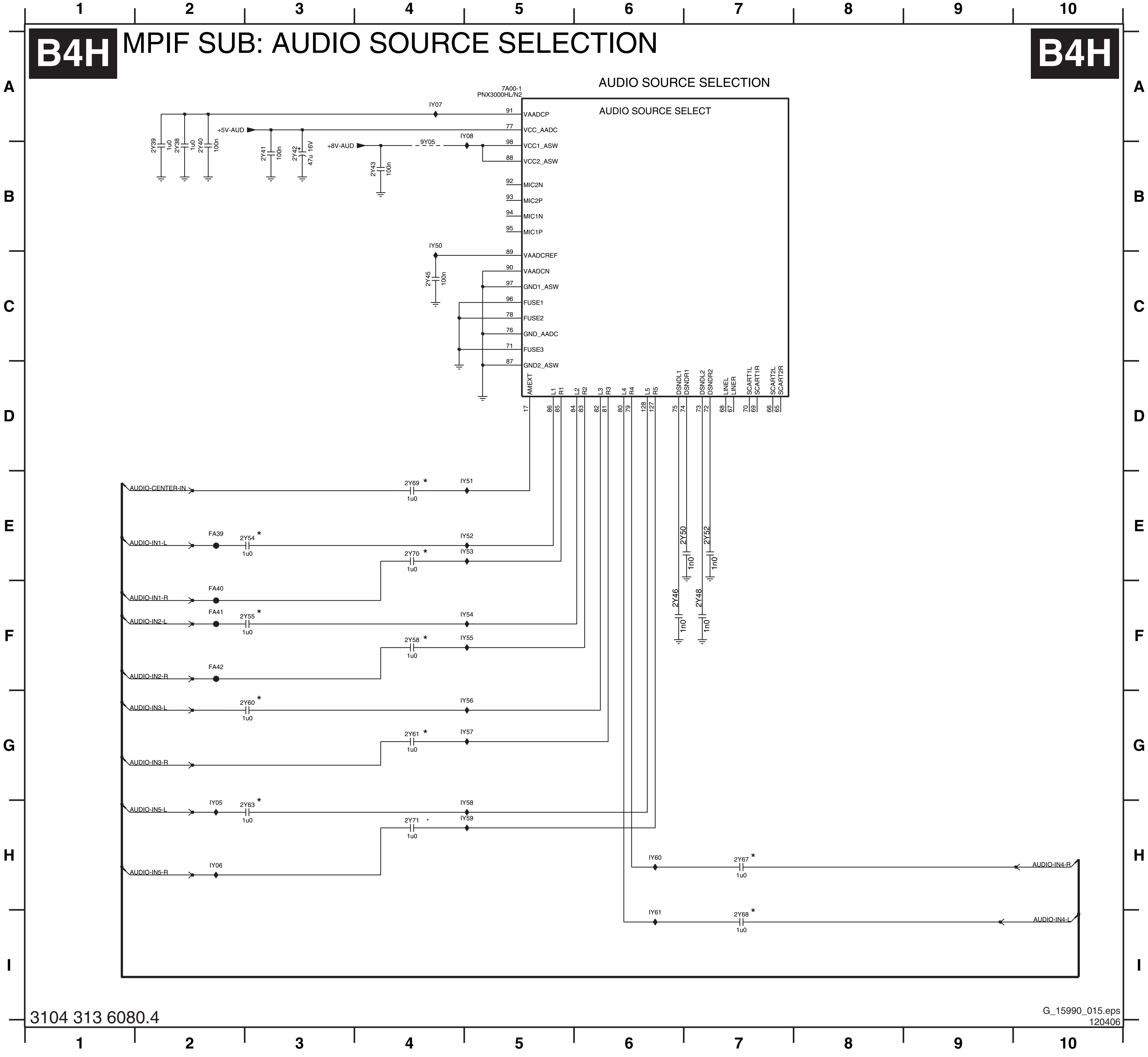
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
B4G
+8VMPIF-SUB
5A52
30R
IA50
2A52
10u 16V
2A53
10n
+5VMPIF-SUB
5A54
30R
IA55
+5VaS
2A59
10u 20V
2A60
10n
IA54
9A51
IA03
9A52
1A51
OFWK9656L
ISWI
O1
O2
NC
GND
40M4
2A50
10n
3A81
33R
2A80
220p
2A83
68p
2A86
3p3
5A70
VALUE
FA11
9A53
AA05
9A54
9A56
IA11
9A57
1A52
OFWK3953L
I1
I2
38M9
+8VaS
6A51
BA591
IA70
3A56
6K8
IF-TER1
2A71
10n
IA69
2A70
10n
IA65
5A57
470n
2K2
3A57
3A65
4K7
3A50
4K7
BA591
6A52
3A66
4K7
3A58
4K7
7A53
BC847BW
22K
3A59
IA66
3A61
47K
SEL-IF-LL1
IA13
3A60
27K
IA67
2A54
10n
7A54
BC847BW
1A53
OFWK3955L
38M
3A67
4K7
IA68
7A55
BC847BW
9A58
3A51 RES
4R7
RES 2A64
330u 6.3V
+5VTUN_MPIF
5A59
30R
IA71
5A53
30R
IA51
2A56
1u0
2A57
10n
2A55
100n
IA52
2A74
10n
7A00-2
PNX3000HL/N2
IF PART
2A63
100n
IA60
3A53
390R
IA61
AA01
AA02
AA03
AA04
VIFPLL
VIFINP
VIFINN
SIFINP
SIFINN
SIFAGC
TUNERAGC
2NDSIFEXT
FUSE4
GND1_IF
VCC_IF
DTVIFPLL
DTVIFINP
DTVIFINN
CVBSOUTIF
DTVOUTP
DTVOUTN
VCC1_VSW
VCC_SUP
VCC2_VSW
2NDSIFAGC
DTVIFAGC
GND2_IF
FUSE5
GND_SUP
TESTPIN1
IA14
2A61
1u0
2A67
1u0
IA53
2A69
100n
AGC1
IA15
IA63
IA64
2A68
1u0
2A90
1u0
9A55
+5V-AUD
2A65
10n
5A56
30R
5A58 RES
30R
3A80
100R
7A01-2
BC847BPN
7A01-1
BC847BPN
IA10
3A01
680R
5A02
30R
FA05
2A10
100n
2A29
10u 16V
2A42
2u2
IA01
3A05
180R
3A06
270R
IA02
2A77 RES
330p
CVBSOUTIF-SUB

3104 313 6080.4

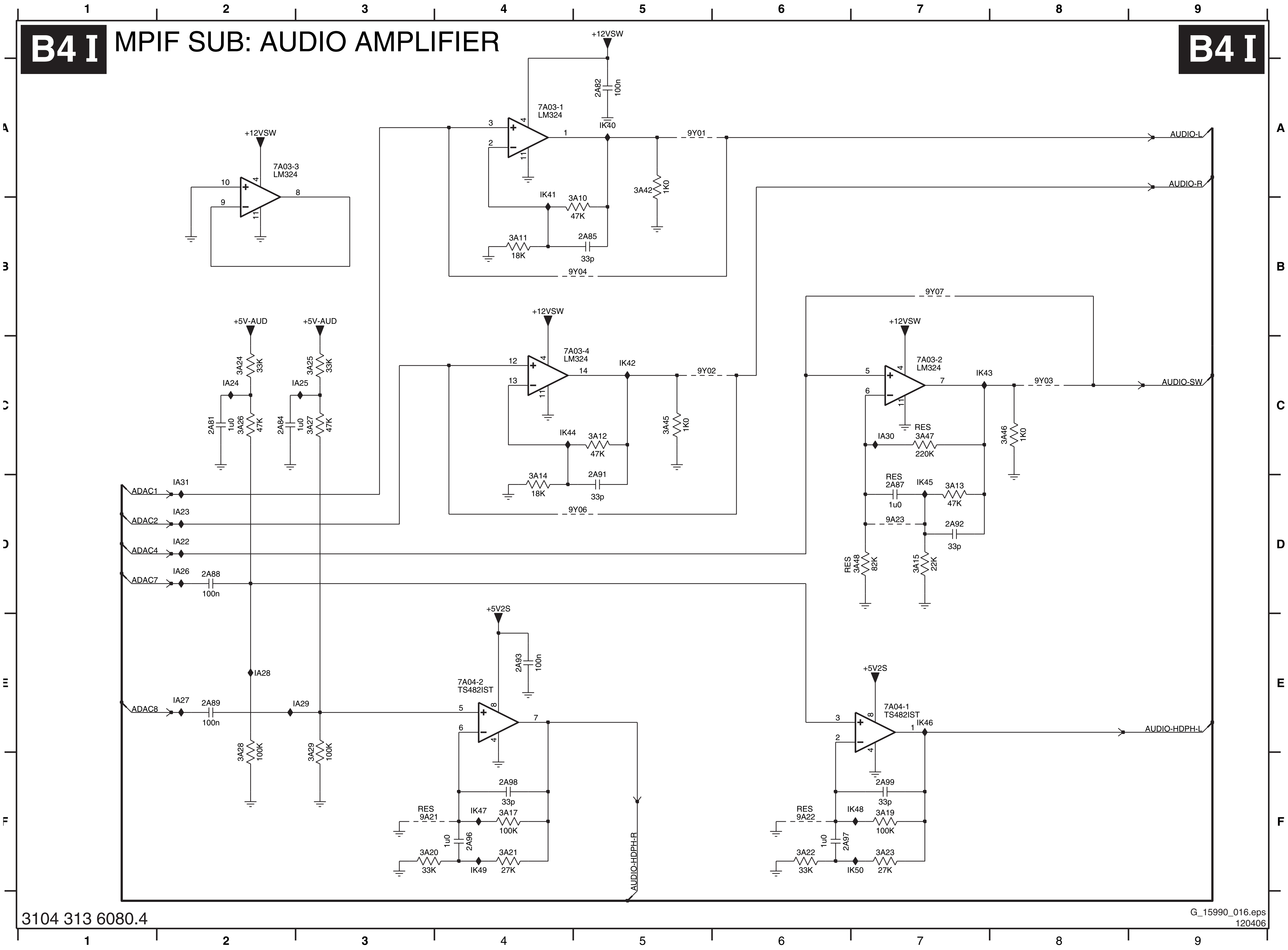
G_15990_014.eps
120406

## SSB: MPIF Sub: Audio Source Selection


1 2 3 4 5 6 7 8 9 10
A B C D E F G H I
B4H
MPIF SUB: AUDIO SOURCE SELECTION
B4H
AUDIO SOURCE SELECTION
AUDIO SOURCE SELECT
7A00-1
PNX3000HL/N2
IY07
91 VAADCP
+5V-AUD
77 VCC_AADC
+8V-AUD
9Y05
IY08
98 VCC1_ASW
88 VCC2_ASW
2Y39 1u0
2Y38 1u0
2Y40 100n
2Y41 100n
2Y42 47u 16V
2Y43 100n
92 MIC2N
93 MIC2P
94 MIC1N
95 MIC1P
IY50
89 VAADCREF
90 VAADCN
97 GND1_ASW
96 FUSE1
78 FUSE2
76 GND_AADC
71 FUSE3
87 GND2_ASW
2Y45 100n
AMEXT 17
L1 86
R1 85
L2 84
R2 83
L3 82
R3 81
L4 80
R4 79
L5 128
R5 127
DSNDL1 75
DSNDR1 74
DSNDL2 73
DSNDR2 72
LINEL 68
LINER 67
SCART1L 70
SCART1R 69
SCART2L 66
SCART2R 65
AUDIO-CENTER-IN
2Y69 * 1u0
IY51
AUDIO-IN1-L
FA39
2Y54 * 1u0
IY52
2Y70 * 1u0
IY53
AUDIO-IN1-R
FA40
AUDIO-IN2-L
FA41
2Y55 * 1u0
IY54
2Y58 * 1u0
IY55
AUDIO-IN2-R
FA42
AUDIO-IN3-L
2Y60 * 1u0
IY56
2Y61 * 1u0
IY57
AUDIO-IN3-R
AUDIO-IN5-L
IY05
2Y63 * 1u0
IY58
2Y71 * 1u0
IY59
AUDIO-IN5-R
IY06
2Y50 1n0
2Y52 1n0
2Y46 1n0
2Y48 1n0
IY60
2Y67 * 1u0
AUDIO-IN4-R
IY61
2Y68 * 1u0
AUDIO-IN4-L
3104 313 6080.4
G_15990_015.eps
120406

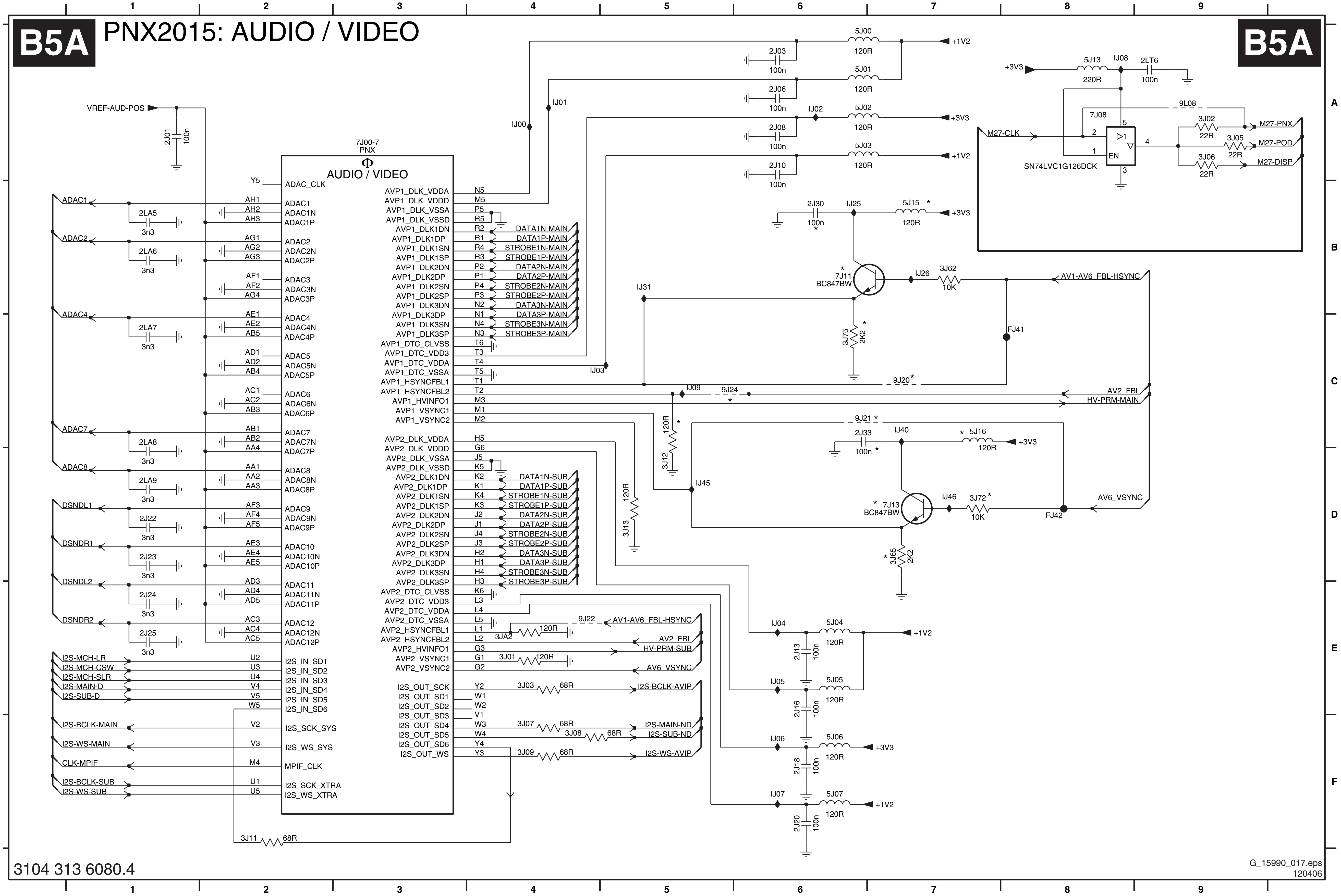
| | |
|---|---|
| 2Y38 | B2 |
| 2Y39 | B2 |
| 2Y40 | B2 |
| 2Y41 | B3 |
| 2Y42 | B3 |
| 2Y43 | B4 |
| 2Y45 | C4 |
| 2Y46 | F6 |
| 2Y48 | F7 |
| 2Y50 | E7 |
| 2Y52 | E7 |
| 2Y54 | E3 |
| 2Y55 | F3 |
| 2Y58 | F4 |
| 2Y60 | G3 |
| 2Y61 | G4 |
| 2Y63 | H3 |
| 2Y67 | H7 |
| 2Y68 | I7 |
| 2Y69 | E4 |
| 2Y70 | E4 |
| 2Y71 | H4 |
| 7A00-1 | A5 |
| 9Y05 | B4 |
| FA39 | E2 |
| FA40 | F2 |
| FA41 | F2 |
| FA42 | F2 |
| IY05 | H2 |
| IY06 | H2 |
| IY07 | A4 |
| IY08 | A5 |
| IY50 | B4 |
| IY51 | E5 |
| IY52 | E5 |
| IY53 | E5 |
| IY54 | F5 |
| IY55 | F5 |
| IY56 | G5 |
| IY57 | G5 |
| IY58 | H5 |
| IY59 | H5 |
| IY60 | H6 |
| IY61 | I6 |

## SSB: MPIF Sub: Audio Amplifier


B4 I
MPIF SUB: AUDIO AMPLIFIER
B4 I
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
+12VSW
2A82
100n
IK40
7A03-1
LM324
3
2
4
11
1
9Y01
AUDIO-L
AUDIO-R
3A42
1K0
IK41
3A10
47K
3A11
18K
2A85
33p
9Y04
+12VSW
7A03-3
LM324
10
9
8
+5V-AUD
+5V-AUD
3A24
33K
3A25
33K
IA24
IA25
2A81
1u0
3A26
47K
2A84
1u0
3A27
47K
+12VSW
7A03-4
LM324
12
13
14
IK42
9Y02
3A45
1K0
IK44
3A12
47K
3A14
18K
2A91
33p
9Y06
9Y07
+12VSW
7A03-2
LM324
5
6
7
IK43
9Y03
AUDIO-SW
3A46
1K0
IA30
RES
3A47
220K
RES
2A87
1u0
IK45
3A13
47K
9A23
2A92
33p
RES
3A48
82K
3A15
22K
ADAC1
IA31
ADAC2
IA23
ADAC4
IA22
ADAC7
IA26
2A88
100n
IA28
ADAC8
IA27
2A89
100n
IA29
3A28
100K
3A29
100K
+5V2S
2A93
100n
7A04-2
TS482IST
5
6
8
4
7
2A98
33p
RES
9A21
IK47
3A17
100K
1u0
2A96
3A20
33K
IK49
3A21
27K
AUDIO-HDPH-R
+5V2S
7A04-1
TS482IST
3
2
8
4
1
IK46
AUDIO-HDPH-L
2A99
33p
RES
9A22
IK48
3A19
100K
1u0
2A97
3A22
33K
IK50
3A23
27K
3104 313 6080.4
G_15990_016.eps
120406

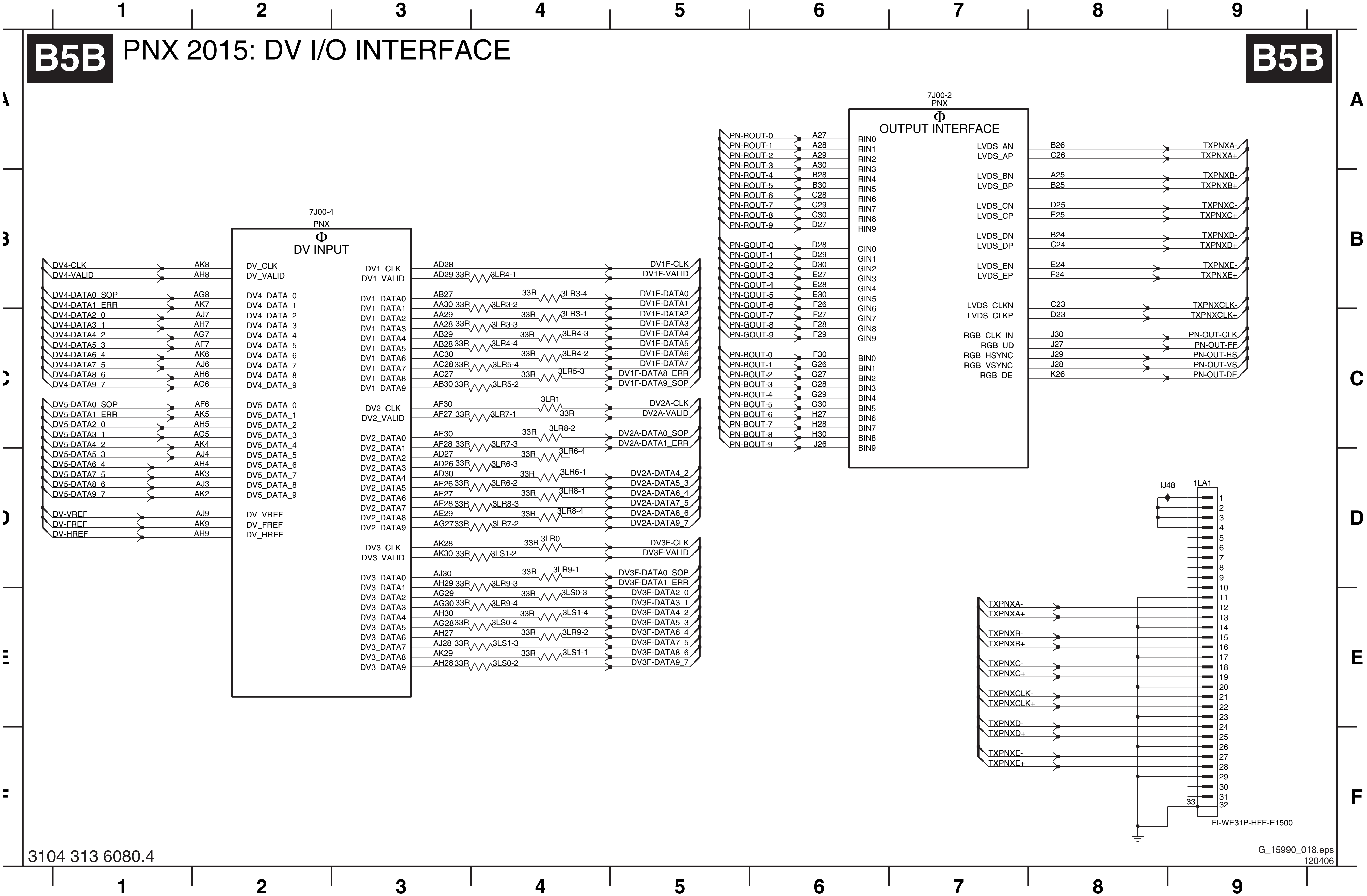
| | |
|---|---|
| 2A81 | C2 |
| 2A82 | A5 |
| 2A84 | C2 |
| 2A85 | B5 |
| 2A87 | D7 |
| 2A88 | D2 |
| 2A89 | E2 |
| 2A91 | D5 |
| 2A92 | D7 |
| 2A93 | E4 |
| 2A96 | F4 |
| 2A97 | F6 |
| 2A98 | F4 |
| 2A99 | F7 |
| 3A10 | B5 |
| 3A11 | B4 |
| 3A12 | C5 |
| 3A13 | D7 |
| 3A14 | D4 |
| 3A15 | D7 |
| 3A17 | F4 |
| 3A19 | F7 |
| 3A20 | F3 |
| 3A21 | F4 |
| 3A22 | F6 |
| 3A23 | F7 |
| 3A24 | C2 |
| 3A25 | C3 |
| 3A26 | C2 |
| 3A27 | C3 |
| 3A28 | E2 |
| 3A29 | E3 |
| 3A42 | A5 |
| 3A45 | C5 |
| 3A46 | C8 |
| 3A47 | C7 |
| 3A48 | D7 |
| 7A03-1 | A4 |
| 7A03-2 | C7 |
| 7A03-3 | A2 |
| 7A03-4 | C4 |
| 7A04-1 | E7 |
| 7A04-2 | E4 |
| 9A21 | F3 |
| 9A22 | F6 |
| 9A23 | D7 |
| 9Y01 | A5 |
| 9Y02 | C5 |
| 9Y03 | C8 |
| 9Y04 | B5 |
| 9Y06 | D5 |
| 9Y07 | B7 |
| IA22 | D2 |
| IA23 | D2 |
| IA24 | C2 |
| IA25 | C3 |
| IA26 | D2 |
| IA27 | E2 |
| IA28 | E2 |
| IA29 | E3 |
| IA30 | C7 |
| IA31 | D2 |
| IK40 | A5 |
| IK41 | A4 |
| IK42 | C5 |
| IK43 | C7 |
| IK44 | C4 |
| IK45 | D7 |
| IK46 | E7 |
| IK47 | F4 |
| IK48 | F7 |
| IK49 | F4 |
| IK50 | F7 |

## SSB: PNX2015: Audio / Video


B5A
PNX2015: AUDIO / VIDEO
B5A
7J00-7
PNX
AUDIO / VIDEO
VREF-AUD-POS
2J01 100n
ADAC_CLK
ADAC1 ADAC1N ADAC1P
ADAC2 ADAC2N ADAC2P
ADAC3 ADAC3N ADAC3P
ADAC4 ADAC4N ADAC4P
ADAC5 ADAC5N ADAC5P
ADAC6 ADAC6N ADAC6P
ADAC7 ADAC7N ADAC7P
ADAC8 ADAC8N ADAC8P
ADAC9 ADAC9N ADAC9P
ADAC10 ADAC10N ADAC10P
ADAC11 ADAC11N ADAC11P
ADAC12 ADAC12N ADAC12P
2LA5 3n3
2LA6 3n3
2LA7 3n3
2LA8 3n3
2LA9 3n3
2J22 3n3
2J23 3n3
2J24 3n3
2J25 3n3
DSNDL1
DSNDR1
DSNDL2
DSNDR2
I2S-MCH-LR
I2S-MCH-CSW
I2S-MCH-SLR
I2S-MAIN-D
I2S-SUB-D
I2S-BCLK-MAIN
I2S-WS-MAIN
CLK-MPIF
I2S-BCLK-SUB
I2S-WS-SUB
I2S_IN_SD1 I2S_IN_SD2 I2S_IN_SD3 I2S_IN_SD4 I2S_IN_SD5 I2S_IN_SD6
I2S_SCK_SYS
I2S_WS_SYS
MPIF_CLK
I2S_SCK_XTRA
I2S_WS_XTRA
3J11 68R
AVP1_DLK_VDDA AVP1_DLK_VDDD AVP1_DLK_VSSA AVP1_DLK_VSSD
AVP1_DLK1DN AVP1_DLK1DP AVP1_DLK1SN AVP1_DLK1SP
AVP1_DLK2DN AVP1_DLK2DP AVP1_DLK2SN AVP1_DLK2SP
AVP1_DLK3DN AVP1_DLK3DP AVP1_DLK3SN AVP1_DLK3SP
AVP1_DTC_CLVSS AVP1_DTC_VDD3 AVP1_DTC_VDDA AVP1_DTC_VSSA
AVP1_HSYNCFBL1 AVP1_HSYNCFBL2 AVP1_HVINFO1 AVP1_VSYNC1 AVP1_VSYNC2
DATA1N-MAIN DATA1P-MAIN STROBE1N-MAIN STROBE1P-MAIN
DATA2N-MAIN DATA2P-MAIN STROBE2N-MAIN STROBE2P-MAIN
DATA3N-MAIN DATA3P-MAIN STROBE3N-MAIN STROBE3P-MAIN
AVP2_DLK_VDDA AVP2_DLK_VDDD AVP2_DLK_VSSA AVP2_DLK_VSSD
AVP2_DLK1DN AVP2_DLK1DP AVP2_DLK1SN AVP2_DLK1SP
AVP2_DLK2DN AVP2_DLK2DP AVP2_DLK2SN AVP2_DLK2SP
AVP2_DLK3DN AVP2_DLK3DP AVP2_DLK3SN AVP2_DLK3SP
AVP2_DTC_CLVSS AVP2_DTC_VDD3 AVP2_DTC_VDDA AVP2_DTC_VSSA
AVP2_HSYNCFBL1 AVP2_HSYNCFBL2 AVP2_HVINFO1 AVP2_VSYNC1 AVP2_VSYNC2
DATA1N-SUB DATA1P-SUB STROBE1N-SUB STROBE1P-SUB
DATA2N-SUB DATA2P-SUB STROBE2N-SUB STROBE2P-SUB
DATA3N-SUB DATA3P-SUB STROBE3N-SUB STROBE3P-SUB
I2S_OUT_SCK I2S_OUT_SD1 I2S_OUT_SD2 I2S_OUT_SD3 I2S_OUT_SD4 I2S_OUT_SD5 I2S_OUT_SD6 I2S_OUT_WS
3J03 68R I2S-BCLK-AVIP
3J07 68R I2S-MAIN-ND
3J08 68R I2S-SUB-ND
3J09 68R I2S-WS-AVIP
9J22 AV1-AV6_FBL-HSYNC
3JA2 120R
AV2_FBL
HV-PRM-SUB
3J01 120R
AV6_VSYNC
5J00 120R +1V2
2J03 100n
5J01 120R
2J06 100n
IJ00
IJ01
IJ02
5J02 120R +3V3
2J08 100n
5J03 120R +1V2
2J10 100n
IJ03
2J30 100n
IJ25
5J15 120R +3V3
7J11 BC847BW
IJ26
3J62 10K
AV1-AV6_FBL-HSYNC
IJ31
3J75 2K2
FJ41
9J20
IJ09
9J24
AV2_FBL
HV-PRM-MAIN
3J12 120R
9J21
2J33 100n
IJ40
5J16 120R +3V3
IJ45
7J13 BC847BW
IJ46
3J72 10K
AV6_VSYNC
FJ42
3J65 2K2
3J13 120R
IJ04 5J04 120R +1V2
2J13 100n
IJ05 5J05 120R
2J16 100n
IJ06 5J06 120R +3V3
2J18 100n
IJ07 5J07 120R +1V2
2J20 100n
+3V3
5J13 220R
IJ08
2LT6 100n
9L08
7J08
M27-CLK
3J02 22R M27-PNX
3J05 22R M27-POD
3J06 22R M27-DISP
SN74LVC1G126DCK
EN
3104 313 6080.4
G_15990_017.eps
120406

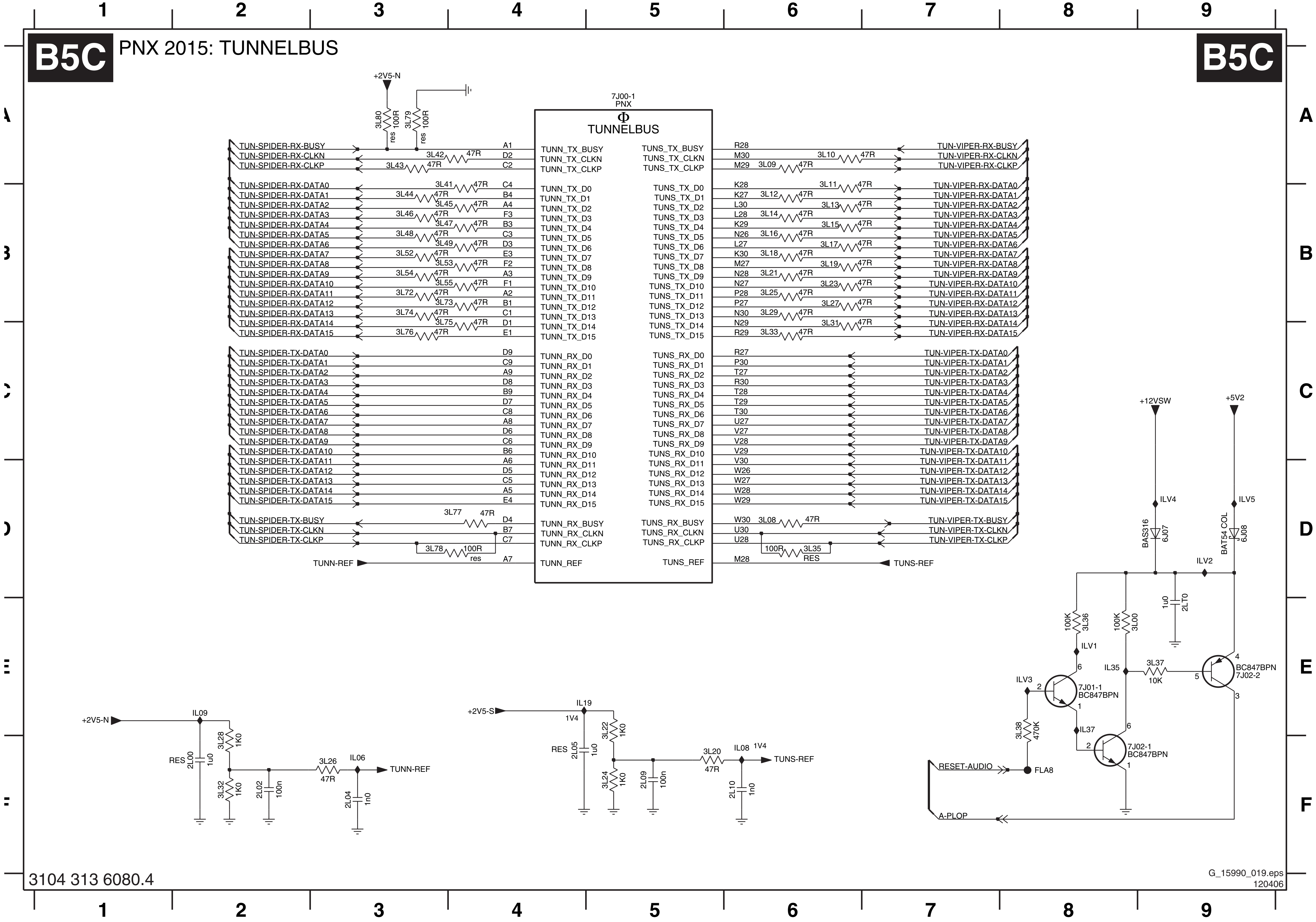
| | |
|---|---|
| 2J01 | A1 |
| 2J03 | A6 |
| 2J06 | A6 |
| 2J08 | A6 |
| 2J10 | A6 |
| 2J13 | E6 |
| 2J16 | E6 |
| 2J18 | F6 |
| 2J20 | F6 |
| 2J22 | D1 |
| 2J23 | D1 |
| 2J24 | E1 |
| 2J25 | E1 |
| 2J30 | B6 |
| 2J33 | C6 |
| 2LA5 | B1 |
| 2LA6 | B1 |
| 2LA7 | C1 |
| 2LA8 | C1 |
| 2LA9 | D1 |
| 2LT6 | A9 |
| 3J01 | E4 |
| 3J02 | A9 |
| 3J03 | E4 |
| 3J05 | A9 |
| 3J06 | A9 |
| 3J07 | F4 |
| 3J08 | F4 |
| 3J09 | F4 |
| 3J11 | F2 |
| 3J12 | D5 |
| 3J13 | D5 |
| 3J62 | B7 |
| 3J65 | D7 |
| 3J72 | D7 |
| 3J75 | C6 |
| 3JA2 | E4 |
| 5J00 | A6 |
| 5J01 | A6 |
| 5J02 | A6 |
| 5J03 | A6 |
| 5J04 | E6 |
| 5J05 | E6 |
| 5J06 | F6 |
| 5J07 | F6 |
| 5J13 | A8 |
| 5J15 | B7 |
| 5J16 | C7 |
| 7J00-7 | A3 |
| 7J08 | A8 |
| 7J11 | B6 |
| 7J13 | D7 |
| 9J20 | C7 |
| 9J21 | C6 |
| 9J22 | E4 |
| 9J24 | C5 |
| 9L08 | A9 |
| FJ41 | C8 |
| FJ42 | D8 |
| IJ00 | A4 |
| IJ01 | A4 |
| IJ02 | A6 |
| IJ03 | C4 |
| IJ04 | E6 |
| IJ05 | E6 |
| IJ06 | F6 |
| IJ07 | F6 |
| IJ08 | A8 |
| IJ09 | C5 |
| IJ25 | B6 |
| IJ26 | B7 |
| IJ31 | B5 |
| IJ40 | C7 |
| IJ45 | D5 |
| IJ46 | D7 |

## SSB: PNX2015: DV I/O Interface


B5B
PNX 2015: DV I/O INTERFACE
B5B
1 2 3 4 5 6 7 8 9
A B C D E F
7J00-4
PNX
Φ
DV INPUT
DV4-CLK AK8 DV_CLK
DV4-VALID AH8 DV_VALID
DV4-DATA0_SOP AG8 DV4_DATA_0
DV4-DATA1_ERR AK7 DV4_DATA_1
DV4-DATA2_0 AJ7 DV4_DATA_2
DV4-DATA3_1 AH7 DV4_DATA_3
DV4-DATA4_2 AG7 DV4_DATA_4
DV4-DATA5_3 AF7 DV4_DATA_5
DV4-DATA6_4 AK6 DV4_DATA_6
DV4-DATA7_5 AJ6 DV4_DATA_7
DV4-DATA8_6 AH6 DV4_DATA_8
DV4-DATA9_7 AG6 DV4_DATA_9
DV5-DATA0_SOP AF6 DV5_DATA_0
DV5-DATA1_ERR AK5 DV5_DATA_1
DV5-DATA2_0 AH5 DV5_DATA_2
DV5-DATA3_1 AG5 DV5_DATA_3
DV5-DATA4_2 AK4 DV5_DATA_4
DV5-DATA5_3 AJ4 DV5_DATA_5
DV5-DATA6_4 AH4 DV5_DATA_6
DV5-DATA7_5 AK3 DV5_DATA_7
DV5-DATA8_6 AJ3 DV5_DATA_8
DV5-DATA9_7 AK2 DV5_DATA_9
DV-VREF AJ9 DV_VREF
DV-FREF AK9 DV_FREF
DV-HREF AH9 DV_HREF
DV1_CLK AD28 DV1F-CLK
DV1_VALID AD29 33R 3LR4-1 DV1F-VALID
DV1_DATA0 AB27 33R 3LR3-4 DV1F-DATA0
DV1_DATA1 AA30 33R 3LR3-2 DV1F-DATA1
DV1_DATA2 AA29 33R 3LR3-1 DV1F-DATA2
DV1_DATA3 AA28 33R 3LR3-3 DV1F-DATA3
DV1_DATA4 AB29 33R 3LR4-3 DV1F-DATA4
DV1_DATA5 AB28 33R 3LR4-4 DV1F-DATA5
DV1_DATA6 AC30 33R 3LR4-2 DV1F-DATA6
DV1_DATA7 AC28 33R 3LR5-4 DV1F-DATA7
DV1_DATA8 AC27 33R 3LR5-3 DV1F-DATA8_ERR
DV1_DATA9 AB30 33R 3LR5-2 DV1F-DATA9_SOP
DV2_CLK AF30 3LR1 33R DV2A-CLK
DV2_VALID AF27 33R 3LR7-1 DV2A-VALID
DV2_DATA0 AE30 33R 3LR8-2 DV2A-DATA0_SOP
DV2_DATA1 AF28 33R 3LR7-3 DV2A-DATA1_ERR
DV2_DATA2 AD27 33R 3LR6-4
DV2_DATA3 AD26 33R 3LR6-3
DV2_DATA4 AD30 33R 3LR6-1 DV2A-DATA4_2
DV2_DATA5 AE26 33R 3LR6-2 DV2A-DATA5_3
DV2_DATA6 AE27 33R 3LR8-1 DV2A-DATA6_4
DV2_DATA7 AE28 33R 3LR8-3 DV2A-DATA7_5
DV2_DATA8 AE29 33R 3LR8-4 DV2A-DATA8_6
DV2_DATA9 AG27 33R 3LR7-2 DV2A-DATA9_7
DV3_CLK AK28 33R 3LR0 DV3F-CLK
DV3_VALID AK30 33R 3LS1-2 DV3F-VALID
DV3_DATA0 AJ30 33R 3LR9-1 DV3F-DATA0_SOP
DV3_DATA1 AH29 33R 3LR9-3 DV3F-DATA1_ERR
DV3_DATA2 AG29 33R 3LS0-3 DV3F-DATA2_0
DV3_DATA3 AG30 33R 3LR9-4 DV3F-DATA3_1
DV3_DATA4 AH30 33R 3LS1-4 DV3F-DATA4_2
DV3_DATA5 AG28 33R 3LS0-4 DV3F-DATA5_3
DV3_DATA6 AH27 33R 3LR9-2 DV3F-DATA6_4
DV3_DATA7 AJ28 33R 3LS1-3 DV3F-DATA7_5
DV3_DATA8 AK29 33R 3LS1-1 DV3F-DATA8_6
DV3_DATA9 AH28 33R 3LS0-2 DV3F-DATA9_7
7J00-2
PNX
Φ
OUTPUT INTERFACE
PN-ROUT-0 A27 RIN0
PN-ROUT-1 A28 RIN1
PN-ROUT-2 A29 RIN2
PN-ROUT-3 A30 RIN3
PN-ROUT-4 B28 RIN4
PN-ROUT-5 B30 RIN5
PN-ROUT-6 C28 RIN6
PN-ROUT-7 C29 RIN7
PN-ROUT-8 C30 RIN8
PN-ROUT-9 D27 RIN9
PN-GOUT-0 D28 GIN0
PN-GOUT-1 D29 GIN1
PN-GOUT-2 D30 GIN2
PN-GOUT-3 E27 GIN3
PN-GOUT-4 E28 GIN4
PN-GOUT-5 E30 GIN5
PN-GOUT-6 F26 GIN6
PN-GOUT-7 F27 GIN7
PN-GOUT-8 F28 GIN8
PN-GOUT-9 F29 GIN9
PN-BOUT-0 F30 BIN0
PN-BOUT-1 G26 BIN1
PN-BOUT-2 G27 BIN2
PN-BOUT-3 G28 BIN3
PN-BOUT-4 G29 BIN4
PN-BOUT-5 G30 BIN5
PN-BOUT-6 H27 BIN6
PN-BOUT-7 H28 BIN7
PN-BOUT-8 H30 BIN8
PN-BOUT-9 J26 BIN9
LVDS_AN B26 TXPNXA-
LVDS_AP C26 TXPNXA+
LVDS_BN A25 TXPNXB-
LVDS_BP B25 TXPNXB+
LVDS_CN D25 TXPNXC-
LVDS_CP E25 TXPNXC+
LVDS_DN B24 TXPNXD-
LVDS_DP C24 TXPNXD+
LVDS_EN E24 TXPNXE-
LVDS_EP F24 TXPNXE+
LVDS_CLKN C23 TXPNXCLK-
LVDS_CLKP D23 TXPNXCLK+
RGB_CLK_IN J30 PN-OUT-CLK
RGB_UD J27 PN-OUT-FF
RGB_HSYNC J29 PN-OUT-HS
RGB_VSYNC J28 PN-OUT-VS
RGB_DE K26 PN-OUT-DE
IJ48
1LA1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
33
TXPNXA-
TXPNXA+
TXPNXB-
TXPNXB+
TXPNXC-
TXPNXC+
TXPNXCLK-
TXPNXCLK+
TXPNXD-
TXPNXD+
TXPNXE-
TXPNXE+
FI-WE31P-HFE-E1500
3104 313 6080.4
G_15990_018.eps
120406

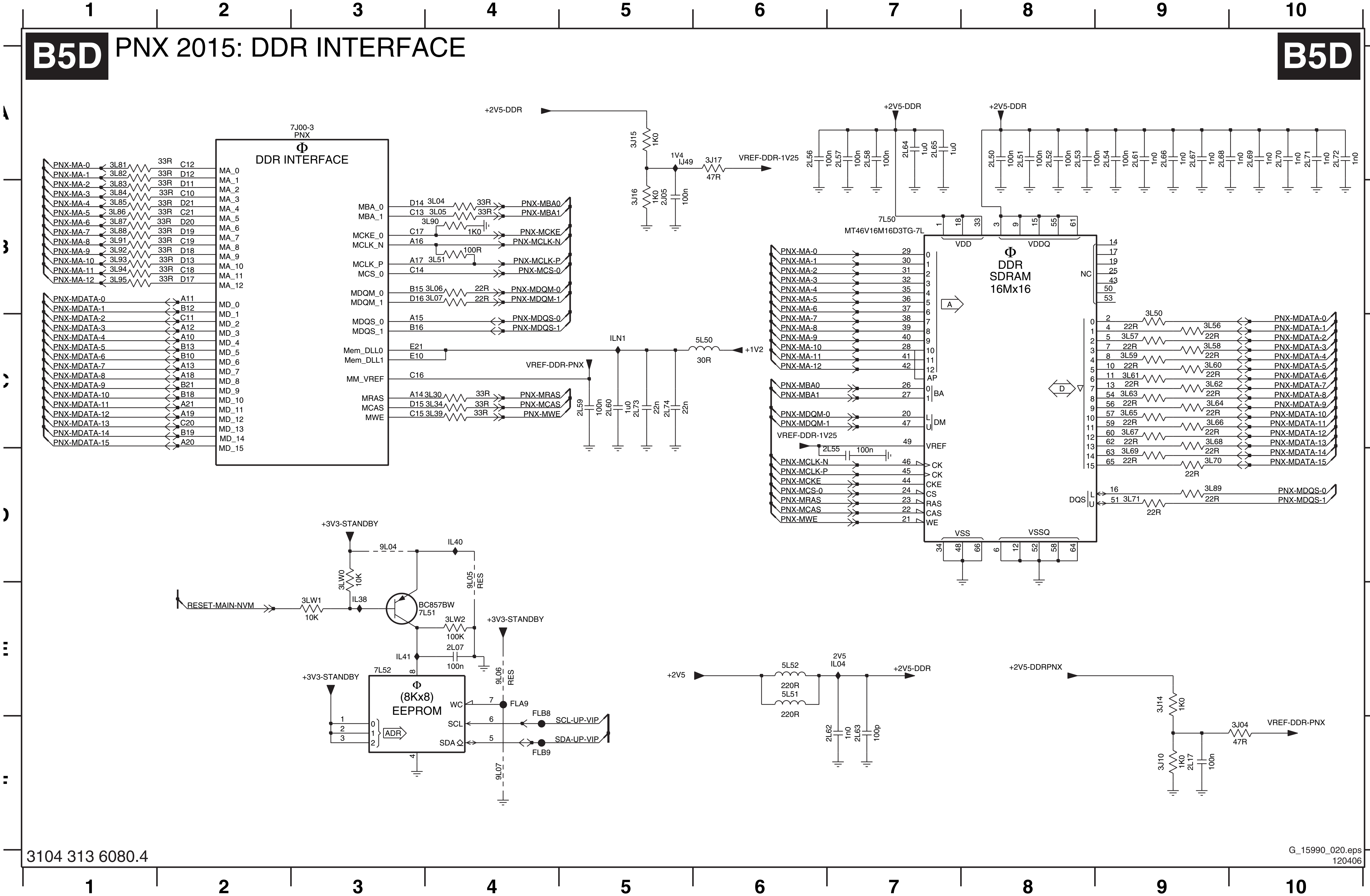
| | |
|---|---|
| 1LA1 | D9 |
| 3LR0 | D4 |
| 3LR1 | C4 |
| 3LR3-1 | C4 |
| 3LR3-2 | B4 |
| 3LR3-3 | C4 |
| 3LR3-4 | B4 |
| 3LR4-1 | B4 |
| 3LR4-2 | C4 |
| 3LR4-3 | C4 |
| 3LR4-4 | C4 |
| 3LR5-2 | C4 |
| 3LR5-3 | C4 |
| 3LR5-4 | C4 |
| 3LR6-1 | D4 |
| 3LR6-2 | D4 |
| 3LR6-3 | D4 |
| 3LR6-4 | D4 |
| 3LR7-1 | C4 |
| 3LR7-2 | D4 |
| 3LR7-3 | C4 |
| 3LR8-1 | D4 |
| 3LR8-2 | C4 |
| 3LR8-3 | D4 |
| 3LR8-4 | D4 |
| 3LR9-1 | D4 |
| 3LR9-2 | E4 |
| 3LR9-3 | D4 |
| 3LR9-4 | E4 |
| 3LS0-2 | E4 |
| 3LS0-3 | E4 |
| 3LS0-4 | E4 |
| 3LS1-1 | E4 |
| 3LS1-2 | D4 |
| 3LS1-3 | E4 |
| 3LS1-4 | E4 |
| 7J00-2 | A7 |
| 7J00-4 | B2 |
| IJ48 | D8 |

## SSB: PNX2015: Tunnelbus


B5C
PNX 2015: TUNNELBUS
B5C
1 2 3 4 5 6 7 8 9
A B C D E F
7J00-1
PNX
TUNNELBUS
+2V5-N
3L80 100R res
3L79 100R res
TUN-SPIDER-RX-BUSY
TUN-SPIDER-RX-CLKN
TUN-SPIDER-RX-CLKP
TUN-SPIDER-RX-DATA0 … TUN-SPIDER-RX-DATA15
TUN-SPIDER-TX-DATA0 … TUN-SPIDER-TX-DATA15
TUN-SPIDER-TX-BUSY
TUN-SPIDER-TX-CLKN
TUN-SPIDER-TX-CLKP
TUNN-REF
3L42 47R
3L43 47R
3L41 3L44 3L45 3L46 3L47 3L48 3L49 3L52 3L53 3L54 3L55 3L72 3L73 3L74 3L75 3L76 47R
3L77 47R
3L78 100R res
TUNN_TX_BUSY
TUNN_TX_CLKN
TUNN_TX_CLKP
TUNN_TX_D0 … TUNN_TX_D15
TUNN_RX_D0 … TUNN_RX_D15
TUNN_RX_BUSY
TUNN_RX_CLKN
TUNN_RX_CLKP
TUNN_REF
TUNS_TX_BUSY
TUNS_TX_CLKN
TUNS_TX_CLKP
TUNS_TX_D0 … TUNS_TX_D15
TUNS_RX_D0 … TUNS_RX_D15
TUNS_RX_BUSY
TUNS_RX_CLKN
TUNS_RX_CLKP
TUNS_REF
3L10 47R
3L09 47R
3L11 3L12 3L13 3L14 3L15 3L16 3L17 3L18 3L19 3L21 3L23 3L25 3L27 3L29 3L31 3L33 47R
3L08 47R
100R 3L35 RES
TUN-VIPER-RX-BUSY
TUN-VIPER-RX-CLKN
TUN-VIPER-RX-CLKP
TUN-VIPER-RX-DATA0 … TUN-VIPER-RX-DATA15
TUN-VIPER-TX-DATA0 … TUN-VIPER-TX-DATA15
TUN-VIPER-TX-BUSY
TUN-VIPER-TX-CLKN
TUN-VIPER-TX-CLKP
TUNS-REF
+12VSW
+5V2
ILV4
ILV5
BAS316 6J07
BAT54 COL 6J08
ILV2
1u0 2LT0
100K 3L36
100K 3L00
ILV1
IL35
3L37 10K
BC847BPN 7J02-2
ILV3
7J01-1 BC847BPN
3L38 470K
IL37
7J02-1 BC847BPN
RESET-AUDIO
FLA8
A-PLOP
+2V5-N
IL09
RES 2L00 1u0
3L28 1K0
3L32 1K0
2L02 100n
3L26 47R
IL06
TUNN-REF
2L04 1n0
+2V5-S
IL19 1V4
3L22 1K0
RES 2L05 1u0
3L24 1K0
2L09 100n
3L20 47R
IL08 1V4
TUNS-REF
2L10 1n0
3104 313 6080.4
G_15990_019.eps
120406

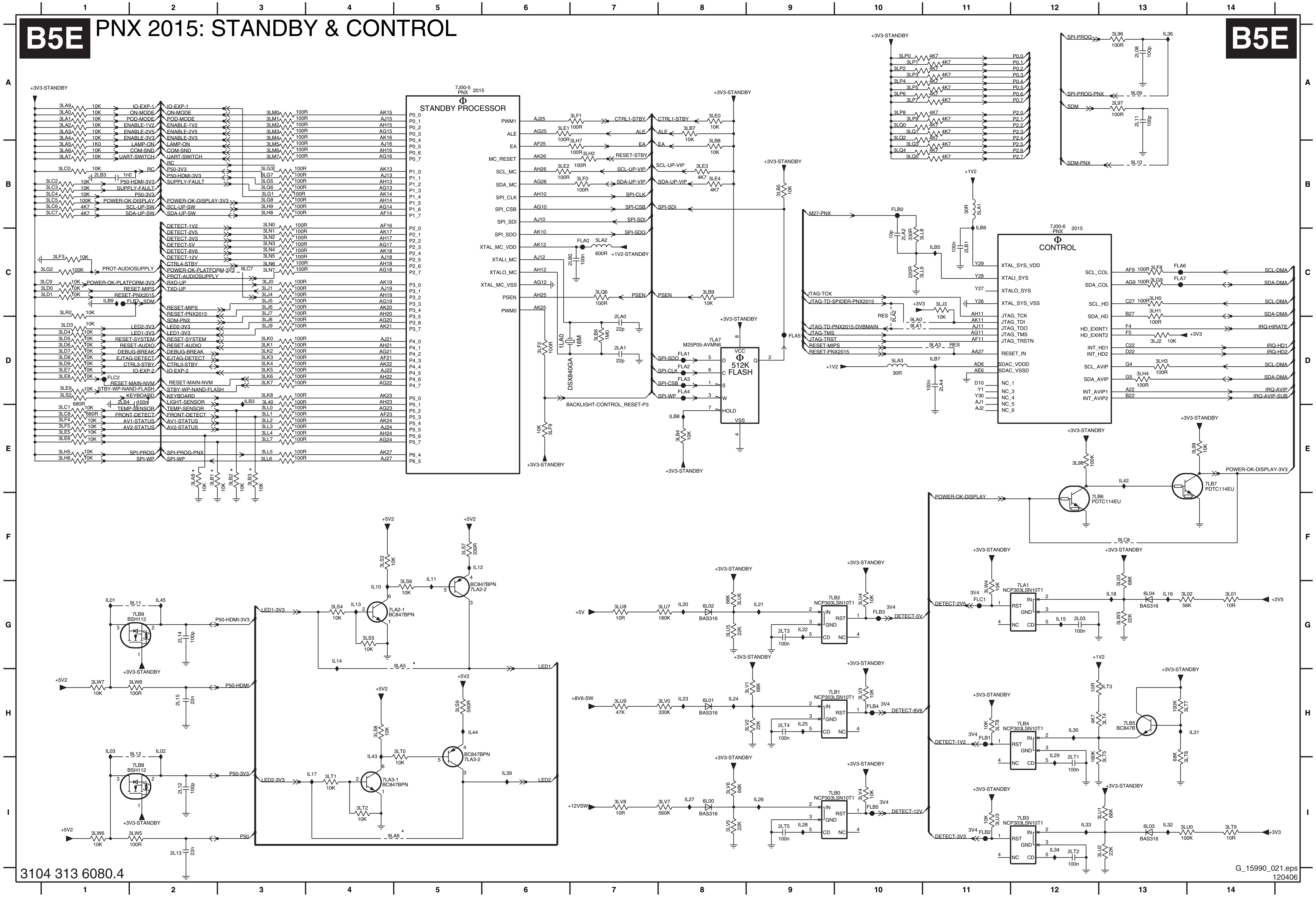
| | |
|---|---|
| 2L00 | F2 |
| 2L02 | F2 |
| 2L04 | F3 |
| 2L05 | F4 |
| 2L09 | F5 |
| 2L10 | F6 |
| 2LT0 | E9 |
| 3L00 | E8 |
| 3L08 | D6 |
| 3L09 | A6 |
| 3L10 | A6 |
| 3L11 | B6 |
| 3L12 | B6 |
| 3L13 | B6 |
| 3L14 | B6 |
| 3L15 | B6 |
| 3L16 | B6 |
| 3L17 | B6 |
| 3L18 | B6 |
| 3L19 | B6 |
| 3L20 | F5 |
| 3L21 | B6 |
| 3L22 | E5 |
| 3L23 | B6 |
| 3L24 | F5 |
| 3L25 | B6 |
| 3L26 | F3 |
| 3L27 | B6 |
| 3L28 | F2 |
| 3L29 | B6 |
| 3L31 | C6 |
| 3L32 | F2 |
| 3L33 | C6 |
| 3L35 | D6 |
| 3L36 | E8 |
| 3L37 | E9 |
| 3L38 | E8 |
| 3L41 | B3 |
| 3L42 | A3 |
| 3L43 | A3 |
| 3L44 | B3 |
| 3L45 | B3 |
| 3L46 | B3 |
| 3L47 | B3 |
| 3L48 | B3 |
| 3L49 | B3 |
| 3L52 | B3 |
| 3L53 | B3 |
| 3L54 | B3 |
| 3L55 | B3 |
| 3L72 | B3 |
| 3L73 | B3 |
| 3L74 | B3 |
| 3L75 | C3 |
| 3L76 | C3 |
| 3L77 | D4 |
| 3L78 | D3 |
| 3L79 | A3 |
| 3L80 | A3 |
| 6J07 | D9 |
| 6J08 | D9 |
| 7J00-1 | A5 |
| 7J01-1 | E8 |
| 7J02-1 | F8 |
| 7J02-2 | E9 |
| FLA8 | F8 |
| IL06 | F3 |
| IL08 | F6 |
| IL09 | E2 |
| IL19 | E4 |
| IL35 | E8 |
| IL37 | E8 |
| ILV1 | E8 |
| ILV2 | D9 |
| ILV3 | E8 |
| ILV4 | D9 |
| ILV5 | D9 |

## SSB: PNX2015: DDR Interface


B5D
PNX 2015: DDR INTERFACE
B5D
7J00-3
PNX
DDR INTERFACE
PNX-MA-0
PNX-MA-1
PNX-MA-2
PNX-MA-3
PNX-MA-4
PNX-MA-5
PNX-MA-6
PNX-MA-7
PNX-MA-8
PNX-MA-9
PNX-MA-10
PNX-MA-11
PNX-MA-12
3L81
3L82
3L83
3L84
3L85
3L86
3L87
3L88
3L91
3L92
3L93
3L94
3L95
33R
MA_0
MA_12
PNX-MDATA-0
PNX-MDATA-15
MD_0
MD_15
MBA_0
MBA_1
MCKE_0
MCLK_N
MCLK_P
MCS_0
MDQM_0
MDQM_1
MDQS_0
MDQS_1
Mem_DLL0
Mem_DLL1
MM_VREF
MRAS
MCAS
MWE
3L04
3L05
3L90
1K0
3L51
100R
3L06
3L07
22R
3L30
3L34
3L39
PNX-MBA0
PNX-MBA1
PNX-MCKE
PNX-MCLK-N
PNX-MCLK-P
PNX-MCS-0
PNX-MDQM-0
PNX-MDQM-1
PNX-MDQS-0
PNX-MDQS-1
PNX-MRAS
PNX-MCAS
PNX-MWE
+2V5-DDR
3J15
1K0
1V4
IJ49
3J17
47R
VREF-DDR-1V25
3J16
2J05
100n
ILN1
5L50
30R
+1V2
VREF-DDR-PNX
2L59
2L60
1u0
2L73
22n
2L74
2L56
2L57
2L58
2L64
2L65
2L50
2L51
2L52
2L53
2L54
2L61
2L66
2L67
2L68
2L69
2L70
2L71
2L72
1n0
7L50
MT46V16M16D3TG-7L
VDD
VDDQ
DDR
SDRAM
16Mx16
NC
A
BA
DM
VREF
2L55
CK
CKE
CS
RAS
CAS
WE
D
DQS
VSS
VSSQ
3L50
3L56
3L57
3L58
3L59
3L60
3L61
3L62
3L63
3L64
3L65
3L66
3L67
3L68
3L69
3L70
3L71
3L89
+3V3-STANDBY
9L04
IL40
3LW0
10K
9L05
RES
RESET-MAIN-NVM
3LW1
IL38
BC857BW
7L51
3LW2
100K
IL41
2L07
7L52
(8Kx8)
EEPROM
ADR
WC
SCL
SDA
9L06
FLA9
FLB8
FLB9
SCL-UP-VIP
SDA-UP-VIP
9L07
+2V5
5L52
220R
5L51
2V5
IL04
2L62
2L63
100p
+2V5-DDRPNX
3J14
3J04
3J10
2L17
3104 313 6080.4
G_15990_020.eps
120406

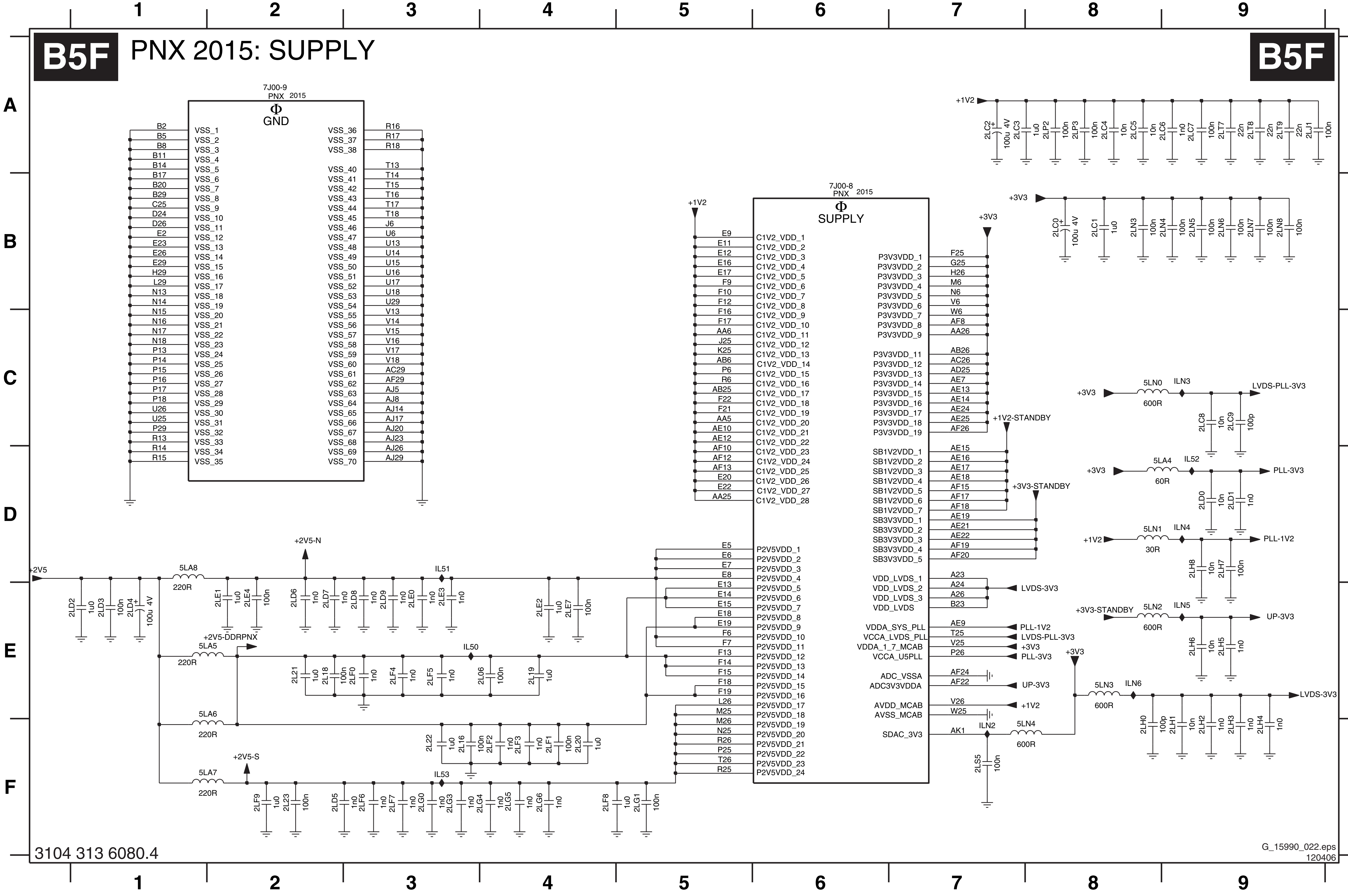
| | |
|---|---|
| 2J05 | B5 |
| 2L07 | E4 |
| 2L17 | F9 |
| 2L50 | A8 |
| 2L51 | A8 |
| 2L52 | A8 |
| 2L53 | A8 |
| 2L54 | A9 |
| 2L55 | C7 |
| 2L56 | A6 |
| 2L57 | A7 |
| 2L58 | A7 |
| 2L59 | C5 |
| 2L60 | C5 |
| 2L61 | A9 |
| 2L62 | F7 |
| 2L63 | F7 |
| 2L64 | A7 |
| 2L65 | A7 |
| 2L66 | A9 |
| 2L67 | A9 |
| 2L68 | A9 |
| 2L69 | A10 |
| 2L70 | A10 |
| 2L71 | A10 |
| 2L72 | A10 |
| 2L73 | C5 |
| 2L74 | C5 |
| 3J04 | F10 |
| 3J10 | F9 |
| 3J14 | E9 |
| 3J15 | A5 |
| 3J16 | B5 |
| 3J17 | A6 |
| 3L04 | B4 |
| 3L05 | B4 |
| 3L06 | B4 |
| 3L07 | B4 |
| 3L30 | C4 |
| 3L34 | C4 |
| 3L39 | C4 |
| 3L50 | C9 |
| 3L51 | B4 |
| 3L56 | C9 |
| 3L57 | C9 |
| 3L58 | C9 |
| 3L59 | C9 |
| 3L60 | C9 |
| 3L61 | C9 |
| 3L62 | C9 |
| 3L63 | C9 |
| 3L64 | C9 |
| 3L65 | C9 |
| 3L66 | C9 |
| 3L67 | C9 |
| 3L68 | C9 |
| 3L69 | D9 |
| 3L70 | D9 |
| 3L71 | D9 |
| 3L81 | A1 |
| 3L82 | A1 |
| 3L83 | B1 |
| 3L84 | B1 |
| 3L85 | B1 |
| 3L86 | B1 |
| 3L87 | B1 |
| 3L88 | B1 |
| 3L89 | D9 |
| 3L90 | B4 |
| 3L91 | B1 |
| 3L92 | B1 |
| 3L93 | B1 |
| 3L94 | B1 |
| 3L95 | B1 |
| 3LW0 | D3 |
| 3LW1 | E3 |
| 3LW2 | E4 |
| 5L50 | C6 |
| 5L51 | E6 |
| 5L52 | E6 |
| 7J00-3 | A3 |
| 7L50 | B7 |
| 7L51 | E3 |
| 7L52 | E3 |
| 9L04 | D3 |
| 9L05 | D4 |
| 9L06 | E4 |
| 9L07 | F4 |
| FLA9 | E4 |
| FLB8 | E4 |
| FLB9 | F4 |
| IJ49 | A5 |
| IL04 | E7 |
| IL38 | E3 |
| IL40 | D4 |
| IL41 | E3 |
| ILN1 | C5 |

## SSB: PNX2015: Standby & Control


B5E
PNX 2015: STANDBY & CONTROL
B5E
7J00-5 PNX 2015
STANDBY PROCESSOR
7J00-6 PNX 2015
CONTROL
7LA7 M25P05-AVMN6
512K FLASH
DSX840GA 16M
+3V3-STANDBY
BACKLIGHT-CONTROL_RESET-P3
POWER-OK-DISPLAY-3V3
POWER-OK-DISPLAY
DETECT-2V5
DETECT-5V
DETECT-8V6
DETECT-1V2
DETECT-12V
DETECT-3V3
LED1
LED2
3104 313 6080.4
G_15990_021.eps
120406

| | |
|---|---|
| 1LA0 | D6 |
| 2L03 | G12 |
| 2L08 | A12 |
| 2L11 | A12 |
| 2L12 | I2 |
| 2L13 | I2 |
| 2L14 | G2 |
| 2L15 | H2 |
| 2LA0 | D7 |
| 2LA1 | D7 |
| 2LA2 | C10 |
| 2LA4 | D11 |
| 2LB0 | C7 |
| 2LB1 | C11 |
| 2LB3 | B1 |
| 2LB4 | D1 |
| 2LT1 | I12 |
| 2LT2 | I12 |
| 2LT3 | G9 |
| 2LT4 | H9 |
| 2LT5 | I9 |
| 3L01 | G14 |
| 3L02 | G13 |
| 3L03 | F13 |
| 3L40 | D3 |
| 3L96 | A11 |
| 3L97 | A11 |
| 3L98 | E12 |
| 3L99 | E14 |
| 3LA0 | A1 |
| 3LA1 | A1 |
| 3LA2 | A1 |
| 3LA3 | A1 |
| 3LA4 | A1 |
| 3LA5 | B1 |
| 3LA6 | B1 |
| 3LA7 | B1 |
| 3LA8 | E2 |
| 3LA9 | A1 |
| 3LB1 | E2 |
| 3LB2 | E3 |
| 3LB3 | E3 |
| 3LB4 | E8 |
| 3LB5 | B9 |
| 3LB6 | D7 |
| 3LB7 | A8 |
| 3LB8 | B8 |
| 3LB9 | C8 |
| 3LC0 | B1 |
| 3LC1 | E1 |
| 3LC2 | B1 |
| 3LC3 | B1 |
| 3LC4 | B1 |
| 3LC5 | B1 |
| 3LC6 | B1 |
| 3LC7 | B1 |
| 3LC8 | E1 |
| 3LC9 | C1 |
| 3LD0 | C1 |
| 3LD1 | C1 |
| 3LD3 | D1 |
| 3LD4 | D1 |
| 3LD5 | D1 |
| 3LD6 | D1 |
| 3LD7 | D1 |
| 3LD8 | D1 |
| 3LD9 | D1 |
| 3LE0 | A8 |
| 3LE1 | A6 |
| 3LE2 | B6 |
| 3LE3 | B8 |
| 3LE4 | B8 |
| 3LE5 | E1 |
| 3LE6 | E1 |
| 3LE7 | D1 |
| 3LE8 | D1 |
| 3LE9 | D1 |
| 3LF0 | B7 |
| 3LF1 | A7 |
| 3LF2 | D6 |
| 3LF3 | C1 |
| 3LF4 | E1 |
| 3LF5 | E1 |
| 3LF8 | C13 |
| 3LF9 | E6 |
| 3LG1 | B3 |
| 3LG2 | C1 |
| 3LG3 | B3 |
| 3LG5 | B3 |
| 3LG6 | B3 |
| 3LG7 | B3 |
| 3LG8 | B3 |
| 3LG9 | C13 |
| 3LH0 | C13 |
| 3LH1 | C13 |
| 3LH2 | B7 |
| 3LH3 | D13 |
| 3LH4 | D13 |
| 3LH5 | E1 |
| 3LH6 | E1 |
| 3LH7 | B7 |
| 3LH8 | B3 |
| 3LH9 | B3 |
| 3LJ0 | C3 |
| 3LJ1 | C3 |
| 3LJ2 | D13 |
| 3LJ3 | C11 |
| 3LJ4 | C3 |
| 3LJ5 | C3 |
| 3LJ6 | C3 |
| 3LJ7 | C3 |
| 3LJ8 | D3 |
| 3LJ9 | D3 |
| 3LK0 | D3 |
| 3LK1 | D3 |
| 3LK2 | D3 |
| 3LK3 | D3 |
| 3LK4 | D3 |
| 3LK5 | D3 |
| 3LK6 | D3 |
| 3LK7 | D3 |
| 3LK8 | D3 |
| 3LL0 | E3 |
| 3LL1 | E3 |
| 3LL2 | E3 |
| 3LL3 | E3 |
| 3LL4 | E3 |
| 3LL5 | E3 |
| 3LL6 | E3 |
| 3LL7 | E3 |
| 3LL8 | C10 |
| 3LL9 | C10 |
| 3LM0 | A3 |
| 3LM1 | A3 |
| 3LM2 | A3 |
| 3LM3 | A3 |
| 3LM4 | A3 |
| 3LM5 | B3 |
| 3LM6 | B3 |
| 3LM7 | B3 |
| 3LN0 | B3 |
| 3LN1 | C3 |
| 3LN2 | C3 |
| 3LN3 | C3 |
| 3LN4 | C3 |
| 3LN5 | C3 |
| 3LN6 | C3 |
| 3LN7 | C3 |
| 3LP0 | A10 |
| 3LP1 | A10 |
| 3LP2 | A10 |
| 3LP3 | A10 |
| 3LP4 | A10 |
| 3LP5 | A10 |
| 3LP6 | A10 |
| 3LP7 | A10 |
| 3LP8 | A10 |
| 3LP9 | A10 |
| 3LQ0 | A10 |
| 3LQ1 | B10 |
| 3LQ2 | B10 |
| 3LQ3 | B10 |
| 3LQ4 | B10 |
| 3LQ5 | B10 |
| 3LQ6 | C7 |
| 3LR2 | C1 |
| 3LS2 | D1 |
| 3LS3 | F4 |
| 3LS4 | G4 |
| 3LS5 | G4 |
| 3LS6 | G5 |
| 3LS7 | F5 |
| 3LS8 | H4 |
| 3LS9 | H5 |
| 3LT0 | H5 |
| 3LT1 | I4 |
| 3LT2 | I4 |
| 3LT3 | H13 |
| 3LT4 | H13 |
| 3LT5 | H13 |
| 3LT6 | H13 |
| 3LT7 | H13 |
| 3LT8 | H11 |
| 3LT9 | I14 |
| 3LU0 | I13 |
| 3LU1 | I13 |
| 3LU2 | I13 |
| 3LU3 | I11 |
| 3LU4 | G10 |
| 3LU5 | G8 |
| 3LU6 | G8 |
| 3LU7 | G8 |
| 3LU8 | G7 |
| 3LU9 | H7 |
| 3LV0 | H8 |
| 3LV1 | H9 |
| 3LV2 | H9 |
| 3LV3 | H10 |
| 3LV4 | I10 |
| 3LV5 | I8 |
| 3LV6 | I8 |
| 3LV7 | I8 |
| 3LV8 | I7 |
| 3LW3 | G13 |
| 3LW4 | G11 |
| 3LW5 | I2 |
| 3LW6 | I1 |
| 3LW7 | H1 |
| 3LW8 | H2 |
| 5LA1 | B11 |
| 5LA2 | C7 |
| 5LA3 | D10 |
| 6L00 | I8 |
| 6L01 | H8 |
| 6L02 | G8 |
| 6L03 | I13 |
| 6L04 | G13 |
| 7J00-5 | A5 |
| 7J00-6 | B12 |
| 7LA1 | G12 |
| 7LA2-1 | G4 |
| 7LA2-2 | G5 |
| 7LA3-1 | I4 |
| 7LA3-2 | I5 |
| 7LA7 | D8 |
| 7LB0 | I9 |
| 7LB1 | H9 |
| 7LB2 | G9 |
| 7LB3 | I12 |
| 7LB4 | H12 |
| 7LB5 | H13 |
| 7LB6 | F12 |
| 7LB7 | E14 |
| 7LB8 | I2 |
| 7LB9 | G2 |
| 9L09 | A12 |
| 9L10 | B12 |
| 9L11 | G2 |
| 9L12 | H2 |
| 9LA0 | D10 |
| 9LA1 | D10 |
| 9LA2 | C10 |
| 9LA3 | D11 |
| 9LA5 | G5 |
| 9LA6 | I4 |
| 9LC7 | C3 |
| 9LC8 | F13 |
| FLA0 | C7 |
| FLA1 | D8 |
| FLA2 | D8 |
| FLA3 | D8 |
| FLA4 | D8 |
| FLA5 | D9 |
| FLA6 | C13 |
| FLA7 | C13 |
| FLB0 | B10 |
| FLB1 | H11 |
| FLB2 | I11 |
| FLB3 | G10 |
| FLB4 | H10 |
| FLB5 | I10 |
| FLB7 | C2 |
| FLC1 | G11 |
| FLC2 | D1 |
| IL01 | G1 |
| IL02 | H2 |
| IL03 | H1 |
| IL10 | G4 |
| IL11 | F5 |
| IL12 | F5 |
| IL13 | G4 |
| IL14 | G4 |
| IL15 | G12 |
| IL16 | G13 |
| IL17 | I4 |
| IL18 | G13 |
| IL20 | G8 |
| IL21 | G9 |
| IL22 | G9 |
| IL23 | H8 |
| IL24 | H8 |
| IL25 | H9 |
| IL26 | I9 |
| IL27 | I8 |
| IL28 | I9 |
| IL29 | H12 |
| IL30 | H12 |
| IL31 | H14 |
| IL32 | I13 |
| IL33 | I12 |
| IL34 | I12 |
| IL36 | A12 |
| IL39 | I6 |
| IL42 | E13 |
| IL43 | H4 |
| IL44 | H5 |
| IL45 | G2 |
| ILB3 | D3 |
| ILB5 | C11 |
| ILB6 | B11 |
| ILB7 | D11 |
| ILB8 | E8 |
| ILB9 | C1 |

## SSB: PNX2015: Supply


1 2 3 4 5 6 7 8 9
A B C D E F
B5F
PNX 2015: SUPPLY
7J00-9
PNX 2015
GND
VSS_1 B2
VSS_2 B5
VSS_3 B8
VSS_4 B11
VSS_5 B14
VSS_6 B17
VSS_7 B20
VSS_8 B29
VSS_9 C25
VSS_10 D24
VSS_11 D26
VSS_12 E2
VSS_13 E23
VSS_14 E26
VSS_15 E29
VSS_16 H29
VSS_17 L29
VSS_18 N13
VSS_19 N14
VSS_20 N15
VSS_21 N16
VSS_22 N17
VSS_23 N18
VSS_24 P13
VSS_25 P14
VSS_26 P15
VSS_27 P16
VSS_28 P17
VSS_29 P18
VSS_30 U26
VSS_31 U25
VSS_32 P29
VSS_33 R13
VSS_34 R14
VSS_35 R15
VSS_36 R16
VSS_37 R17
VSS_38 R18
VSS_40 T13
VSS_41 T14
VSS_42 T15
VSS_43 T16
VSS_44 T17
VSS_45 T18
VSS_46 J6
VSS_47 U6
VSS_48 U13
VSS_49 U14
VSS_50 U15
VSS_51 U16
VSS_52 U17
VSS_53 U18
VSS_54 U29
VSS_55 V13
VSS_56 V14
VSS_57 V15
VSS_58 V16
VSS_59 V17
VSS_60 V18
VSS_61 AC29
VSS_62 AF29
VSS_63 AJ5
VSS_64 AJ8
VSS_65 AJ14
VSS_66 AJ17
VSS_67 AJ20
VSS_68 AJ23
VSS_69 AJ26
VSS_70 AJ29
7J00-8
PNX 2015
SUPPLY
+1V2
C1V2_VDD_1 E9
C1V2_VDD_2 E11
C1V2_VDD_3 E12
C1V2_VDD_4 E16
C1V2_VDD_5 E17
C1V2_VDD_6 F9
C1V2_VDD_7 F10
C1V2_VDD_8 F12
C1V2_VDD_9 F16
C1V2_VDD_10 F17
C1V2_VDD_11 AA6
C1V2_VDD_12 J25
C1V2_VDD_13 K25
C1V2_VDD_14 AB6
C1V2_VDD_15 P6
C1V2_VDD_16 R6
C1V2_VDD_17 AB25
C1V2_VDD_18 F22
C1V2_VDD_19 F21
C1V2_VDD_20 AA5
C1V2_VDD_21 AE10
C1V2_VDD_22 AE12
C1V2_VDD_23 AF10
C1V2_VDD_24 AF13
C1V2_VDD_25 E20
C1V2_VDD_26 E22
C1V2_VDD_27 AA25
C1V2_VDD_28
P2V5VDD_1 E5
P2V5VDD_2 E6
P2V5VDD_3 E7
P2V5VDD_4 E8
P2V5VDD_5 E13
P2V5VDD_6 E14
P2V5VDD_7 E15
P2V5VDD_8 E18
P2V5VDD_9 E19
P2V5VDD_10 F6
P2V5VDD_11 F7
P2V5VDD_12 F13
P2V5VDD_13 F14
P2V5VDD_14 F15
P2V5VDD_15 F18
P2V5VDD_16 F19
P2V5VDD_17 L26
P2V5VDD_18 M25
P2V5VDD_19 M26
P2V5VDD_20 N25
P2V5VDD_21 R26
P2V5VDD_22 P25
P2V5VDD_23 T26
P2V5VDD_24 R25
+3V3
P3V3VDD_1 F25
P3V3VDD_2 G25
P3V3VDD_3 H26
P3V3VDD_4 M6
P3V3VDD_5 N6
P3V3VDD_6 V6
P3V3VDD_7 W6
P3V3VDD_8 AF8
P3V3VDD_9 AA26
P3V3VDD_11 AB26
P3V3VDD_12 AC26
P3V3VDD_13 AD25
P3V3VDD_14 AE7
P3V3VDD_15 AE13
P3V3VDD_16 AE14
P3V3VDD_17 AE24
P3V3VDD_18 AE25
P3V3VDD_19 AF26
+1V2-STANDBY
SB1V2VDD_1 AE15
SB1V2VDD_2 AE16
SB1V2VDD_3 AE17
SB1V2VDD_4 AE18
SB1V2VDD_5 AF15
SB1V2VDD_6 AF17
SB1V2VDD_7 AF18
+3V3-STANDBY
SB3V3VDD_1 AE19
SB3V3VDD_2 AE21
SB3V3VDD_3 AE22
SB3V3VDD_4 AF19
SB3V3VDD_5 AF20
VDD_LVDS_1 A23
VDD_LVDS_2 A24
VDD_LVDS_3 A26
VDD_LVDS B23
LVDS-3V3
VDDA_SYS_PLL AE9 PLL-1V2
VCCA_LVDS_PLL T25 LVDS-PLL-3V3
VDDA_1_7_MCAB V25 +3V3
VCCA_U5PLL P26 PLL-3V3
ADC_VSSA AF24
ADC3V3VDDA AF22 UP-3V3
AVDD_MCAB V26 +1V2
AVSS_MCAB W25
SDAC_3V3 AK1
ILN2
5LN4 600R
+3V3
2LS5 100n
+1V2
2LC2 100u 4V
2LC3 1u0
2LP2 100n
2LP3 100n
2LC4 10n
2LC5 10n
2LC6 1n0
2LC7 100n
2LT7 22n
2LT8 22n
2LT9 22n
2LJ1 100n
+3V3
2LC0 100u 4V
2LC1 1u0
2LN3 100n
2LN4 100n
2LN5 100n
2LN6 100n
2LN7 100n
2LN8 100n
+3V3 5LN0 600R ILN3 LVDS-PLL-3V3
2LC8 10n
2LC9 100p
+3V3 5LA4 60R IL52 PLL-3V3
2LD0 10n
2LD1 1n0
+1V2 5LN1 30R ILN4 PLL-1V2
2LH8 10n
2LH7 100n
+3V3-STANDBY 5LN2 600R ILN5 UP-3V3
2LH6 10n
2LH5 1n0
+3V3 5LN3 600R ILN6 LVDS-3V3
2LH0 100p
2LH1 10n
2LH2 1n0
2LH3 1n0
2LH4 1n0
+2V5
5LA8 220R
2LD2 1u0
2LD3 100n
2LD4 100u 4V
2LE1 1u0
2LE4 100n
+2V5-N
2LD6 1n0
2LD7 1n0
2LD8 1n0
2LD9 1n0
2LE0 1n0
IL51
2LE3 1n0
2LE2 1u0
2LE7 100n
+2V5-DDRPNX
5LA5 220R
IL50
2L21 1u0
2L18 100n
2LF0 1n0
2LF4 1n0
2LF5 1n0
2L06 100n
2L19 1u0
5LA6 220R
2L22 1u0
2L16 100n
2LF2 1n0
2LF3 1n0
2LF1 1n0
2L20 100n
1u0
+2V5-S
5LA7 220R
IL53
2LF9 1u0
2L23 100n
2LD5 1n0
2LF6 1n0
2LF7 1n0
2LG0 1n0
2LG3 1n0
2LG4 1n0
2LG5 1n0
2LG6 1n0
2LF8 1u0
2LG1 100n
3104 313 6080.4
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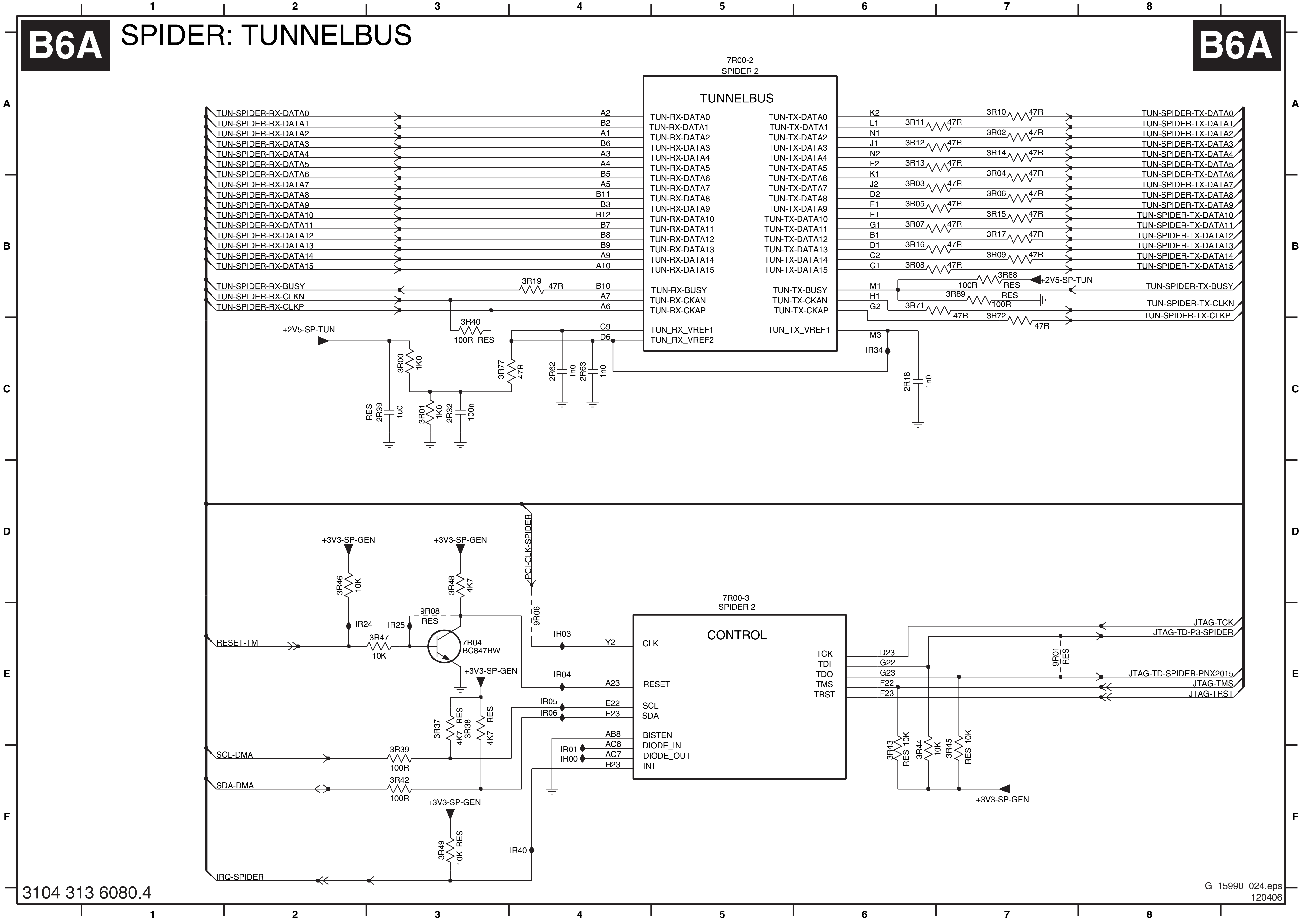
|  |  |
|---|---|
| 2L06 | E4 |
| 2L16 | F3 |
| 2L18 | E2 |
| 2L19 | E4 |
| 2L20 | F4 |
| 2L21 | E2 |
| 2L22 | F3 |
| 2L23 | F2 |
| 2LC0 | B8 |
| 2LC1 | B8 |
| 2LC2 | A7 |
| 2LC3 | A7 |
| 2LC4 | A8 |
| 2LC5 | A8 |
| 2LC6 | A8 |
| 2LC7 | A9 |
| 2LC8 | C9 |
| 2LC9 | C9 |
| 2LD0 | D9 |
| 2LD1 | D9 |
| 2LD2 | E1 |
| 2LD3 | E1 |
| 2LD4 | E1 |
| 2LD5 | F2 |
| 2LD6 | E2 |
| 2LD7 | E2 |
| 2LD8 | E3 |
| 2LD9 | E3 |
| 2LE0 | E3 |
| 2LE1 | E2 |
| 2LE2 | E4 |
| 2LE3 | E3 |
| 2LE4 | E2 |
| 2LE7 | E4 |
| 2LF0 | E3 |
| 2LF1 | F4 |
| 2LF2 | F4 |
| 2LF3 | F4 |
| 2LF4 | E3 |
| 2LF5 | E3 |
| 2LF6 | F3 |
| 2LF7 | F3 |
| 2LF8 | F4 |
| 2LF9 | F2 |
| 2LG0 | F3 |
| 2LG1 | F5 |
| 2LG3 | F3 |
| 2LG4 | F3 |
| 2LG5 | F4 |
| 2LG6 | F4 |
| 2LH0 | F8 |
| 2LH1 | F9 |
| 2LH2 | F9 |
| 2LH3 | F9 |
| 2LH4 | F9 |
| 2LH5 | E9 |
| 2LH6 | E9 |
| 2LH7 | D9 |
| 2LH8 | D9 |
| 2LJ1 | A9 |
| 2LN3 | B8 |
| 2LN4 | B9 |
| 2LN5 | B9 |
| 2LN6 | B9 |
| 2LN7 | B9 |
| 2LN8 | B9 |
| 2LP2 | A8 |
| 2LP3 | A8 |
| 2LS5 | F7 |
| 2LT7 | A9 |
| 2LT8 | A9 |
| 2LT9 | A9 |
| 5LA4 | D9 |
| 5LA5 | E2 |
| 5LA6 | E2 |
| 5LA7 | F2 |
| 5LA8 | D1 |
| 5LN0 | C8 |
| 5LN1 | D8 |
| 5LN2 | E8 |
| 5LN3 | E8 |
| 5LN4 | F8 |
| 7J00-8 | B6 |
| 7J00-9 | A2 |
| IL50 | E3 |
| IL51 | D3 |
| IL52 | D9 |
| IL53 | F3 |
| ILN2 | F7 |
| ILN3 | C9 |
| ILN4 | D9 |
| ILN5 | E9 |
| ILN6 | E8 |

## SSB: Spider: Tunnelbus


B6A
SPIDER: TUNNELBUS
B6A
7R00-2
SPIDER 2
TUNNELBUS
TUN-SPIDER-RX-DATA0 … TUN-SPIDER-RX-DATA15
TUN-RX-DATA0 … TUN-RX-DATA15
A2 B2 A1 B6 A3 A4 B5 A5 B11 B3 B12 B7 B8 B9 A9 A10
TUN-SPIDER-RX-BUSY
TUN-SPIDER-RX-CLKN
TUN-SPIDER-RX-CLKP
3R19 47R
B10 A7 A6
TUN-RX-BUSY
TUN-RX-CKAN
TUN-RX-CKAP
3R40 100R RES
C9 D6
TUN_RX_VREF1
TUN_RX_VREF2
+2V5-SP-TUN
3R00 1K0
3R77 47R
2R62 1n0
2R63 1n0
RES 2R39 1u0
3R01 1K0
2R32 100n
TUN-TX-DATA0 … TUN-TX-DATA15
K2 L1 N1 J1 N2 F2 K1 J2 D2 F1 E1 G1 B1 D1 C2 C1
3R10 47R
3R11 47R
3R02 47R
3R12 47R
3R14 47R
3R13 47R
3R04 47R
3R03 47R
3R06 47R
3R05 47R
3R15 47R
3R07 47R
3R17 47R
3R16 47R
3R09 47R
3R08 47R
TUN-SPIDER-TX-DATA0 … TUN-SPIDER-TX-DATA15
TUN-TX-BUSY
TUN-TX-CKAN
TUN-TX-CKAP
M1 H1 G2
3R88 100R RES
+2V5-SP-TUN
3R89 RES 100R
3R71 47R
3R72 47R
TUN-SPIDER-TX-BUSY
TUN-SPIDER-TX-CLKN
TUN-SPIDER-TX-CLKP
TUN_TX_VREF1
M3
IR34
2R18 1n0
PCI-CLK-SPIDER
9R06
+3V3-SP-GEN
3R46 10K
IR24
IR25
9R08 RES
3R48 4K7
RESET-TM
3R47 10K
7R04 BC847BW
+3V3-SP-GEN
IR03
Y2
IR04
A23
IR05
IR06
E22
E23
3R37 4K7 RES
3R38 4K7 RES
SCL-DMA
3R39 100R
SDA-DMA
3R42 100R
+3V3-SP-GEN
3R49 10K RES
IR40
IRQ-SPIDER
IR01
IR00
AB8 AC8 AC7 H23
7R00-3
SPIDER 2
CONTROL
CLK
RESET
SCL
SDA
BISTEN
DIODE_IN
DIODE_OUT
INT
TCK TDI TDO TMS TRST
D23 G22 G23 F22 F23
9R01 RES
JTAG-TCK
JTAG-TD-P3-SPIDER
JTAG-TD-SPIDER-PNX2015
JTAG-TMS
JTAG-TRST
3R43 RES 10K
3R44 10K
3R45 RES 10K
+3V3-SP-GEN
3104 313 6080.4
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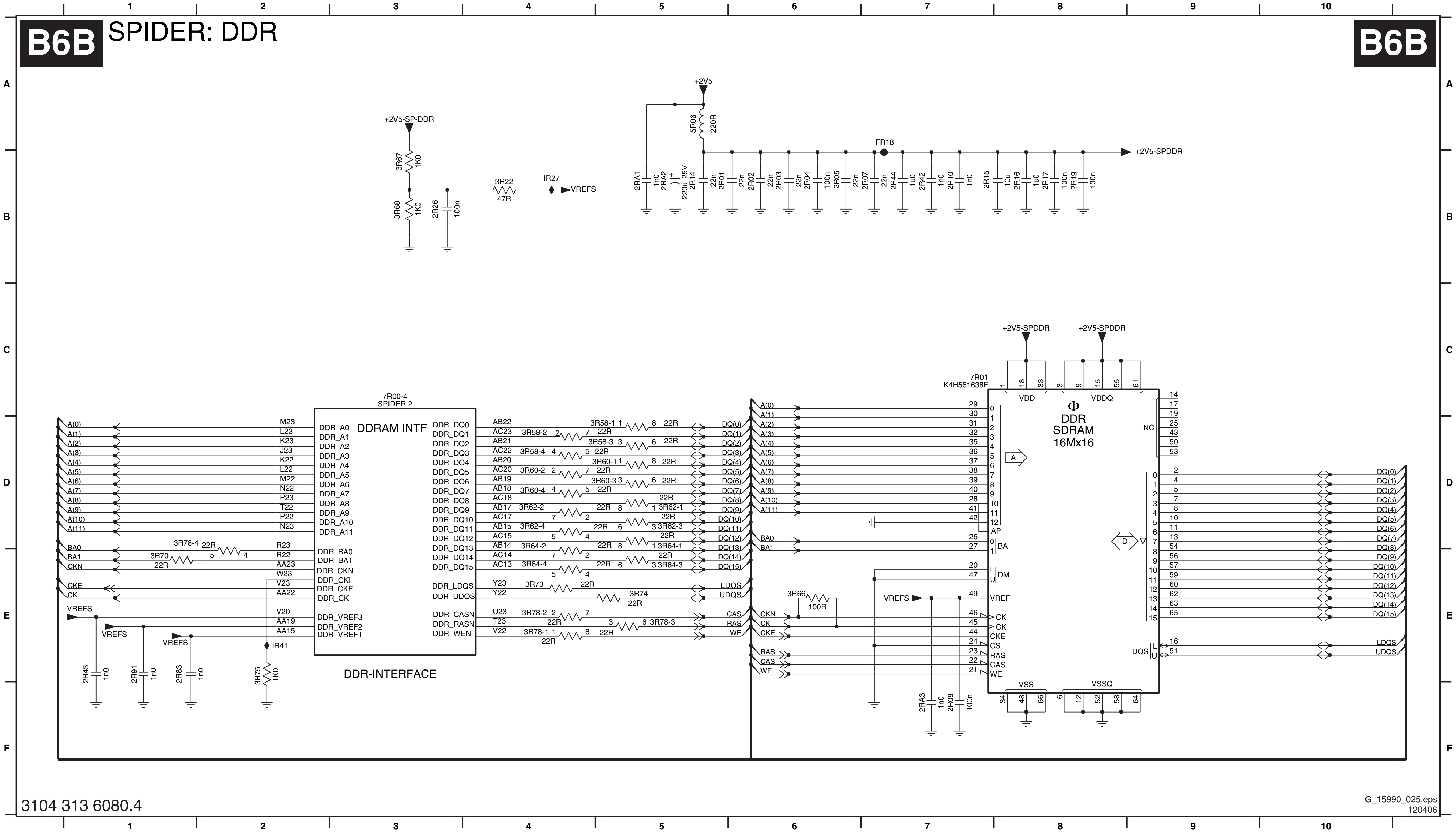
| | |
|---|---|
| 2R18 | C6 |
| 2R32 | C3 |
| 2R39 | C3 |
| 2R62 | C4 |
| 2R63 | C4 |
| 3R00 | C3 |
| 3R01 | C3 |
| 3R02 | A7 |
| 3R03 | B6 |
| 3R04 | B7 |
| 3R05 | B6 |
| 3R06 | B7 |
| 3R07 | B6 |
| 3R08 | B6 |
| 3R09 | B7 |
| 3R10 | A7 |
| 3R11 | A6 |
| 3R12 | A6 |
| 3R13 | A6 |
| 3R14 | A7 |
| 3R15 | B7 |
| 3R16 | B6 |
| 3R17 | B7 |
| 3R19 | B4 |
| 3R37 | E3 |
| 3R38 | E3 |
| 3R39 | F3 |
| 3R40 | C3 |
| 3R42 | F3 |
| 3R43 | F6 |
| 3R44 | F6 |
| 3R45 | F7 |
| 3R46 | D2 |
| 3R47 | E3 |
| 3R48 | D3 |
| 3R49 | F3 |
| 3R71 | B6 |
| 3R72 | C7 |
| 3R77 | C3 |
| 3R88 | B7 |
| 3R89 | B7 |
| 7R00-2 | A5 |
| 7R00-3 | D5 |
| 7R04 | E3 |
| 9R01 | E7 |
| 9R06 | E4 |
| 9R08 | E3 |
| IR00 | F4 |
| IR01 | F4 |
| IR03 | E4 |
| IR04 | E4 |
| IR05 | E4 |
| IR06 | E4 |
| IR24 | E2 |
| IR25 | E3 |
| IR34 | C6 |
| IR40 | F4 |

## SSB: Spider: DDR

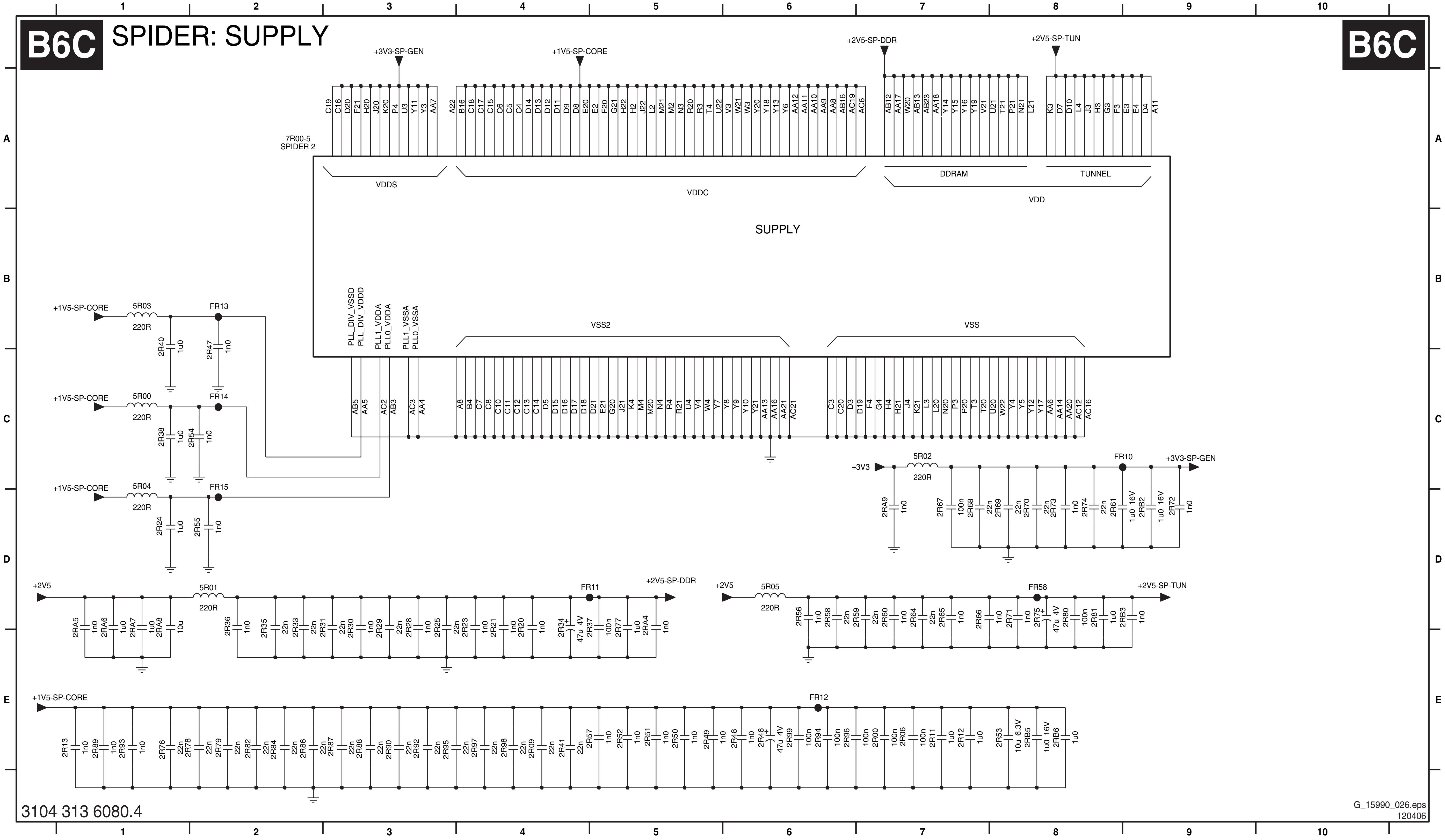
2R01 B5
2R02 B6
2R03 B6
2R04 B6
2R05 B6
2R07 B7
2R08 F7
2R10 B7
2R14 B5
2R15 B7
2R16 B8
2R17 B8
2R19 B8
2R26 B3
2R42 B7
2R43 E1
2R44 B7
2R83 E1
2R91 E1
2RA1 B5
2RA2 B5
2RA3 F7
3R22 B4
3R58-1 D5
3R58-2 D4
3R58-3 D5
3R58-4 D4
3R60-1 D5
3R60-2 D4
3R60-3 D5
3R60-4 D4
3R62-1 D5
3R62-2 D4
3R62-3 D5
3R62-4 D4
3R64-1 D5
3R64-2 D4
3R64-3 E5
3R64-4 E4
3R66 E6
3R67 B3
3R68 B3
3R70 E1
3R73 E4
3R74 E5
3R75 E2
3R78-1 E4
3R78-2 E4
3R78-3 E5
3R78-4 D1
5R06 A5
7R00-4 C3
7R01 C7
FR18 A7
IR27 B4
IR41 E2

## B6B SPIDER: DDR B6B


1 2 3 4 5 6 7 8 9 10
A B C D E F
+2V5-SP-DDR
3R67 1K0
3R68 1K0
2R26 100n
3R22 47R
IR27
VREFS
+2V5
5R06 220R
FR18
+2V5-SPDDR
2RA1 1n0
2RA2 220u 25V
2R14 22n
2R01 22n
2R02 22n
2R03 22n
2R04 100n
2R05 22n
2R07 22n
2R44 1u0
2R42 1n0
2R10 1n0
2R15 10u
2R16 1u0
2R17 100n
2R19 100n
7R00-4 SPIDER 2
DDRAM INTF
DDR_A0 DDR_A1 DDR_A2 DDR_A3 DDR_A4 DDR_A5 DDR_A6 DDR_A7 DDR_A8 DDR_A9 DDR_A10 DDR_A11
M23 L23 K23 J23 K22 L22 M22 N22 P23 T22 P22 N23
DDR_BA0 DDR_BA1 DDR_CKN DDR_CKI DDR_CKE DDR_CK
R23 R22 AA23 W23 V23 AA22
DDR_VREF3 DDR_VREF2 DDR_VREF1
V20 AA19 AA15
DDR_DQ0 … DDR_DQ15
AB22 AC23 AB21 AC22 AB20 AC20 AB19 AB18 AC18 AB17 AC17 AB15 AC15 AB14 AC14 AC13
DDR_LDQS DDR_UDQS DDR_CASN DDR_RASN DDR_WEN
Y23 Y22 U23 T23 V22
3R58-1 3R58-2 3R58-3 3R58-4 22R
3R60-1 3R60-2 3R60-3 3R60-4 22R
3R62-1 3R62-2 3R62-3 3R62-4 22R
3R64-1 3R64-2 3R64-3 3R64-4 22R
3R73 22R
3R74 22R
3R78-1 22R
3R78-2 22R
3R78-3
3R78-4 22R
3R70 22R
A(0) … A(11)
BA0 BA1 CKN CKE CK
DQ(0) … DQ(15)
LDQS UDQS CAS RAS WE
VREFS
IR41
2R43 1n0
2R91 1n0
2R83 1n0
3R75 1K0
DDR-INTERFACE
7R01 K4H561638F
DDR SDRAM 16Mx16
VDD VDDQ VSS VSSQ NC
BA DM VREF CK CKE CS RAS CAS WE DQS AP
3R66 100R
2RA3 1n0
2R08 100n
3104 313 6080.4
G_15990_025.eps 120406

## SSB: Spider: Supply

2R00 E7
2R06 E7
2R09 E4
2R11 E7
2R12 E7
2R13 E1
2R20 D4
2R21 D4
2R23 D4
2R24 D1
2R25 D3
2R28 D3
2R29 D3
2R30 D3
2R31 D2
2R33 D2
2R34 D4
2R35 D2
2R36 D2
2R37 D5
2R38 C1
2R40 B1
2R41 E4
2R46 E6
2R47 C2
2R48 E6
2R49 E5
2R50 E5
2R51 E5
2R52 E5
2R53 E8
2R54 C1
2R55 D2
2R56 D6
2R57 E4
2R58 D6
2R59 D7
2R60 D7
2R61 D8
2R64 D7
2R65 D7
2R66 D7
2R67 D7
2R68 D7
2R69 D8
2R70 D8
2R71 D8
2R72 D9
2R73 D8
2R74 D8
2R75 D8
2R76 E1
2R77 D5
2R78 E2
2R79 E2
2R80 D8
2R81 D8
2R82 E2
2R84 E2
2R86 E2
2R87 E3
2R88 E3
2R89 E1
2R90 E3
2R92 E3
2R93 E1
2R94 E6
2R95 E3
2R96 E6
2R97 E4
2R98 E4
2R99 E6
2RA4 D5
2RA5 D1
2RA6 D1
2RA7 D1
2RA8 D1
2RA9 D7
2RB2 D9
2RB3 D9
2RB5 E8
2RB6 E8
5R00 C1
5R01 D2
5R02 C7
5R03 B1
5R04 C1
5R05 D6
7R00-5 A2
FR10 C9
FR11 D5
FR12 E6
FR13 B2
FR14 C2
FR15 D2
FR58 D8


B6C
SPIDER: SUPPLY
B6C
+3V3-SP-GEN
+1V5-SP-CORE
+2V5-SP-DDR
+2V5-SP-TUN
7R00-5
SPIDER 2
VDDS
VDDC
DDRAM
TUNNEL
VDD
SUPPLY
PLL_DIV_VSSD
PLL_DIV_VDDD
PLL1_VDDA
PLL0_VDDA
PLL1_VSSA
PLL0_VSSA
VSS2
VSS
+1V5-SP-CORE
5R03
220R
FR13
2R40
1u0
2R47
1n0
5R00
FR14
2R38
2R54
5R04
FR15
2R24
2R55
+3V3
5R02
220R
FR10
+3V3-SP-GEN
2RA9
2R67
100n
2R68
22n
2R69
2R70
2R73
2R74
2R61
1u0 16V
2RB2
2R72
+2V5
5R01
220R
FR11
+2V5-SP-DDR
2RA5
2RA6
2RA7
2RA8
10u
2R36
2R35
2R33
2R31
2R30
2R29
2R28
2R25
2R23
2R21
2R20
2R34
47u 4V
2R37
2R77
2RA4
+2V5
5R05
220R
FR58
+2V5-SP-TUN
2R56
2R58
2R59
2R60
2R64
2R65
2R66
2R71
2R75
2R80
2R81
2RB3
+1V5-SP-CORE
FR12
2R13
2R89
2R93
2R76
2R78
2R79
2R82
2R84
2R86
2R87
2R88
2R90
2R92
2R95
2R97
2R98
2R09
2R41
2R57
2R52
2R51
2R50
2R49
2R48
2R46
2R99
2R94
2R96
2R00
2R06
2R11
2R12
2R53
10u 6.3V
2RB5
2RB6
3104 313 6080.4
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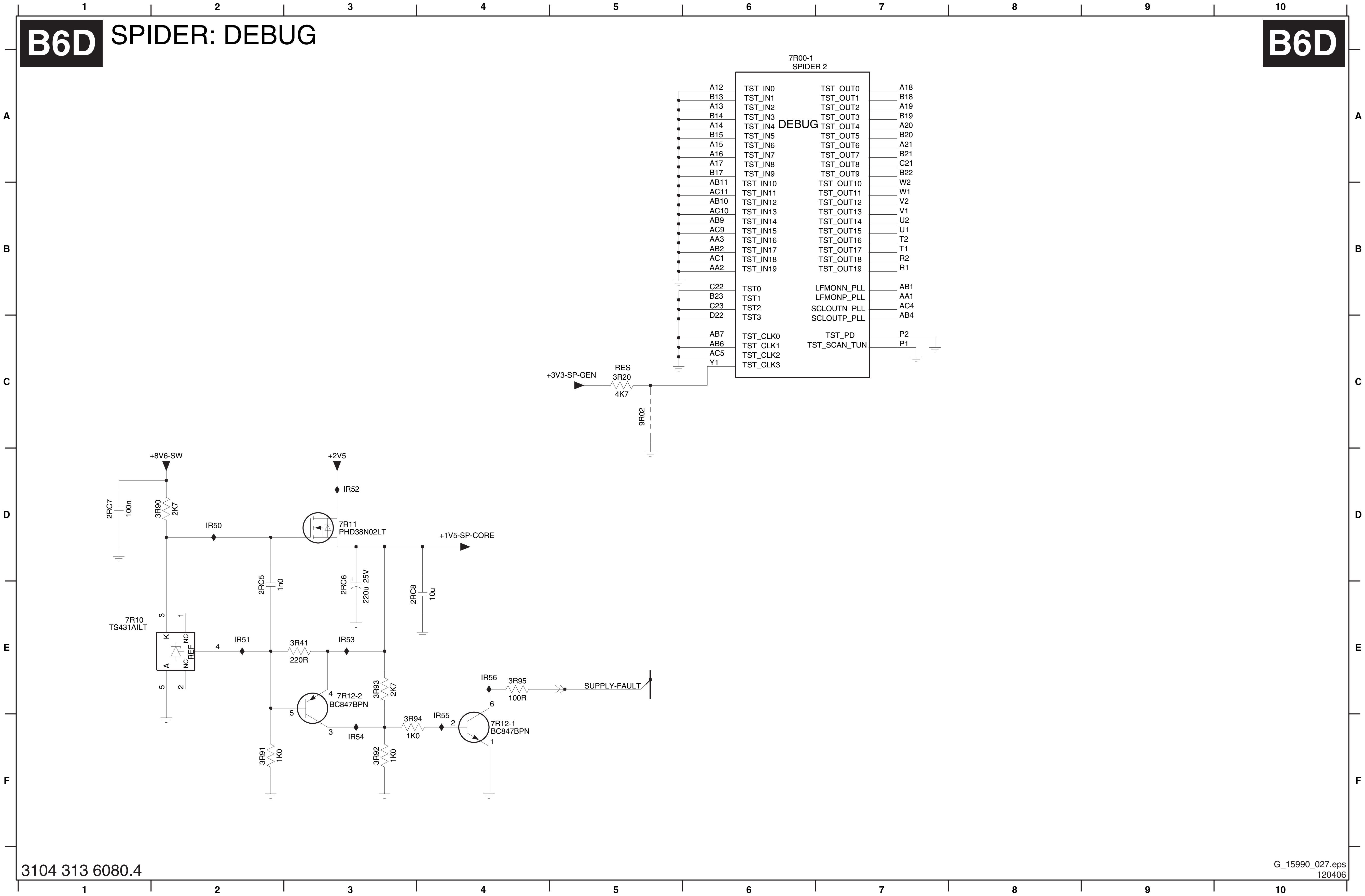
## SSB: Spider: Debug


B6D
SPIDER: DEBUG
B6D
7R00-1
SPIDER 2
DEBUG
A12 TST_IN0
B13 TST_IN1
A13 TST_IN2
B14 TST_IN3
A14 TST_IN4
B15 TST_IN5
A15 TST_IN6
A16 TST_IN7
A17 TST_IN8
B17 TST_IN9
AB11 TST_IN10
AC11 TST_IN11
AB10 TST_IN12
AC10 TST_IN13
AB9 TST_IN14
AC9 TST_IN15
AA3 TST_IN16
AB2 TST_IN17
AC1 TST_IN18
AA2 TST_IN19
C22 TST0
B23 TST1
C23 TST2
D22 TST3
AB7 TST_CLK0
AB6 TST_CLK1
AC5 TST_CLK2
Y1 TST_CLK3
TST_OUT0 A18
TST_OUT1 B18
TST_OUT2 A19
TST_OUT3 B19
TST_OUT4 A20
TST_OUT5 B20
TST_OUT6 A21
TST_OUT7 B21
TST_OUT8 C21
TST_OUT9 B22
TST_OUT10 W2
TST_OUT11 W1
TST_OUT12 V2
TST_OUT13 V1
TST_OUT14 U2
TST_OUT15 U1
TST_OUT16 T2
TST_OUT17 T1
TST_OUT18 R2
TST_OUT19 R1
LFMONN_PLL AB1
LFMONP_PLL AA1
SCLOUTN_PLL AC4
SCLOUTP_PLL AB4
TST_PD P2
TST_SCAN_TUN P1
+3V3-SP-GEN
RES
3R20
4K7
9R02
+8V6-SW
+2V5
IR52
2RC7
100n
3R90
2K7
IR50
7R11
PHD38N02LT
+1V5-SP-CORE
2RC5
1n0
2RC6
220u 25V
2RC8
10u
7R10
TS431AILT
K
NC
A
NC
REF
IR51
3R41
220R
IR53
3R93
2K7
IR56
3R95
100R
SUPPLY-FAULT
7R12-2
BC847BPN
IR54
3R94
1K0
IR55
7R12-1
BC847BPN
3R91
1K0
3R92
1K0
3104 313 6080.4
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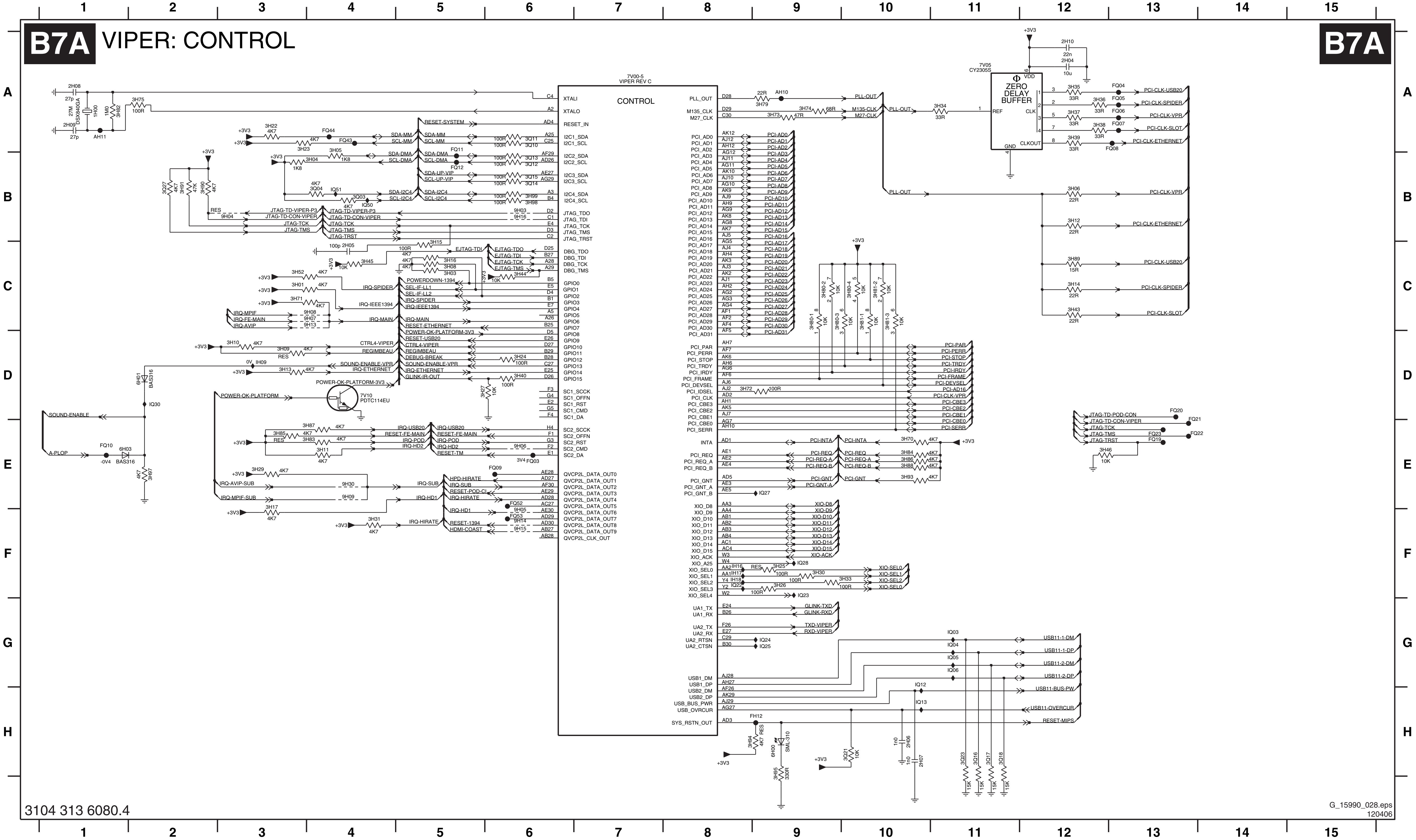
| | |
|---|---|
| 2RC5 | E2 |
| 2RC6 | E3 |
| 2RC7 | D1 |
| 2RC8 | E3 |
| 3R20 | C5 |
| 3R41 | E3 |
| 3R90 | D2 |
| 3R91 | F2 |
| 3R92 | F3 |
| 3R93 | E3 |
| 3R94 | F3 |
| 3R95 | E4 |
| 7R00-1 | A6 |
| 7R10 | E1 |
| 7R11 | D3 |
| 7R12-1 | F4 |
| 7R12-2 | E3 |
| 9R02 | C5 |
| IR50 | D2 |
| IR51 | E2 |
| IR52 | D3 |
| IR53 | E3 |
| IR54 | F3 |
| IR55 | F4 |
| IR56 | E4 |

## SSB: Spider: Control

1H00 A1
2H04 A12
2H05 C4
2H06 H10
2H07 H10
2H08 A1
2H09 A1
2H10 A12
3H01 C3
3H03 C5
3H04 B4
3H05 A4
3H06 B12
3H08 C5
3H09 D3
3H10 D3
3H11 E4
3H12 B12
3H13 D3
3H14 C12
3H15 C5
3H16 C5
3H17 E3
3H22 A3
3H23 A3
3H24 D6
3H25 F9
3H26 F9
3H27 D5
3H29 E3
3H30 F9
3H31 F4
3H33 F10
3H34 A11
3H35 A12
3H36 A12
3H37 A12
3H38 A12
3H39 A12
3H40 D6
3H43 C12
3H44 C6
3H45 C4
3H46 E12
3H52 C3
3H70 E10
3H71 C3
3H72 D8
3H73 A9
3H74 A9
3H75 A2
3H79 A9
3H80-1 C9
3H80-2 C9
3H80-3 C9
3H80-4 C10
3H81-1 C10
3H81-2 C10
3H81-3 C10
3H82 A1
3H83 E4
3H84 E10
3H85 E3
3H86 E10
3H87 E4
3H88 E10
3H89 C12
3H90 B2
3H91 B2
3H93 E10
3H94 H8
3H95 H9
3H97 E2
3H98 B6
3H99 B6
3Q03 B4
3Q04 B4
3Q10 A6
3Q11 A6
3Q12 B6
3Q13 B6
3Q14 B6
3Q15 B6
3Q16 H11
3Q17 H11
3Q18 H11
3Q21 H10
3Q23 H11
3Q27 B2
6H00 H9
6H01 D2
6H03 E1
7V00-5 A7
7V05 A11
7V10 D4
9H03 B6
9H04 B3
9H05 F6
9H06 E6
9H07 C4
9H08 C4
9H09 E4
9H13 C4
9H14 F6
9H15 F6
9H16 B6
9H30 E4
AH10 A9
AH11 A1
FH12 H9
FQ03 E6
FQ04 A13
FQ05 A13
FQ06 A13
FQ07 A13
FQ08 A13
FQ09 E6
FQ10 E1
FQ11 A5
FQ12 B5
FQ19 E13
FQ20 D13
FQ21 E13
FQ22 E13
FQ23 E13
FQ43 A4
FQ44 A4
FQ52 E6
FQ53 F6
IH09 D3
IH16 F8
IH17 F8
IH18 F8
IQ03 G11
IQ04 G11
IQ05 G11
IQ06 G11
IQ12 G10
IQ13 H10
IQ22 F8
IQ23 F9
IQ24 G9
IQ25 G9
IQ27 E9
IQ28 F9
IQ30 D2
IQ50 B4
IQ51 B4

**B7A** VIPER: CONTROL **B7A**



7V00-5
VIPER REV C
CONTROL
7V05
CY2305S
ZERO
DELAY
BUFFER
7V10
PDTC114EU
PLL_OUT
PCI-CLK-USB20
PCI-CLK-SPIDER
PCI-CLK-VPR
PCI-CLK-SLOT
PCI-CLK-ETHERNET
SOUND-ENABLE
A-PLOP
POWER-OK-PLATFORM
USB11-1-DM
USB11-1-DP
USB11-2-DM
USB11-2-DP
USB11-BUS-PWR
USB11-OVERCUR
RESET-MIPS
XIO-SEL0
XIO-SEL1
XIO-SEL2
GLINK-TXD
GLINK-RXD
TXD-VIPER
RXD-VIPER
JTAG-TD-POD-CON
JTAG-TD-CON-VIPER
JTAG-TCK
JTAG-TMS
JTAG-TRST

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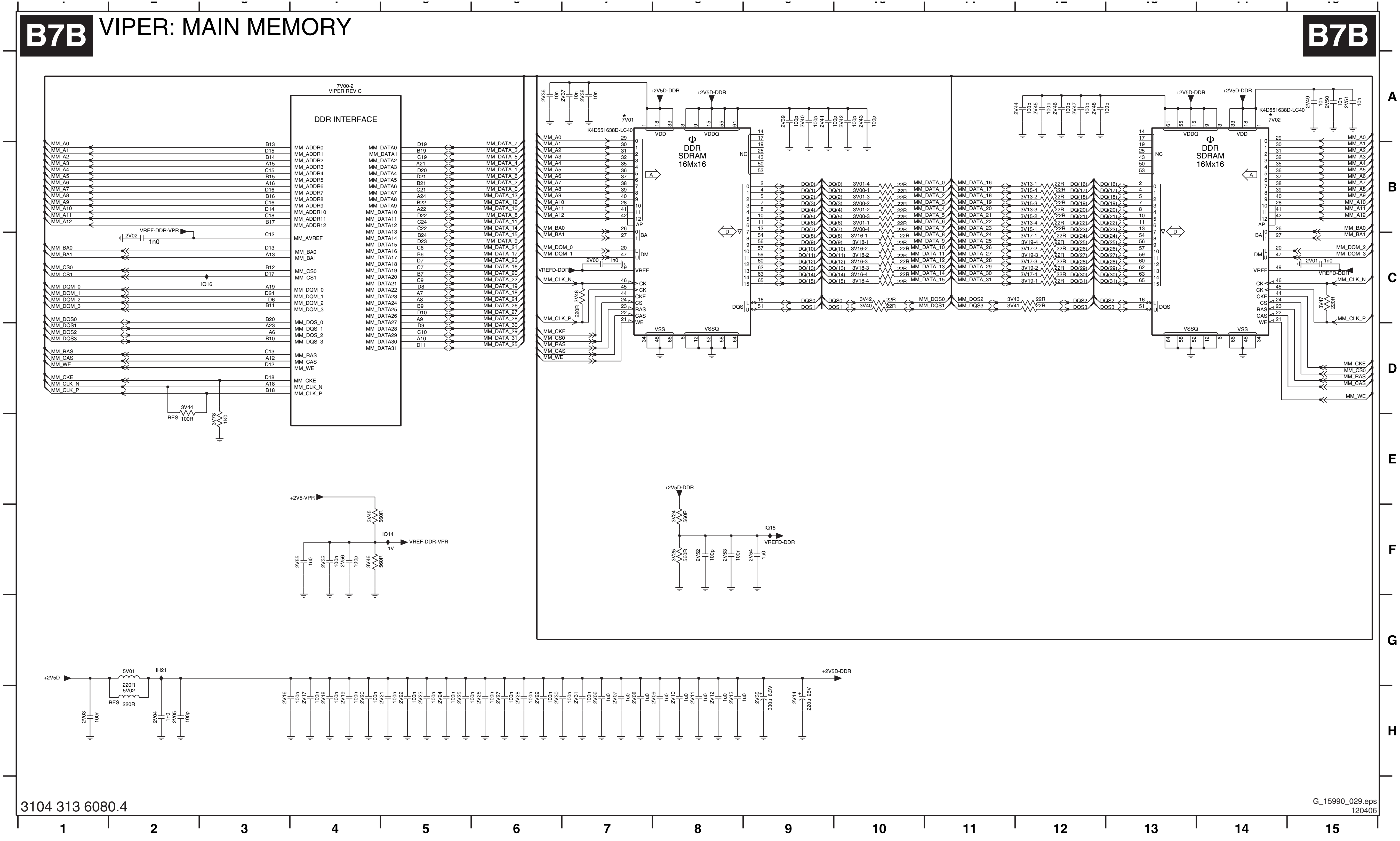
## SSB: Spider: Main Memory


B7B
VIPER: MAIN MEMORY
B7B
7V00-2
VIPER REV C
DDR INTERFACE
VREF-DDR-VPR
+2V5-VPR
IQ14
IQ15
IQ16
1V
VREFD-DDR
+2V5D-DDR
+2V5D
5V01
5V02
220R
IH21
RES
7V01
7V02
K4D551638D-LC40
DDR
SDRAM
16Mx16
VDD
VDDQ
VSS
VSSQ
MM_ADDR0
MM_DATA0
MM_CLK_N
MM_CLK_P
MM_CKE
MM_RAS
MM_CAS
MM_WE
MM_DQS0
MM_DQS1
MM_DQS2
MM_DQS3
A B C D E F G H
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
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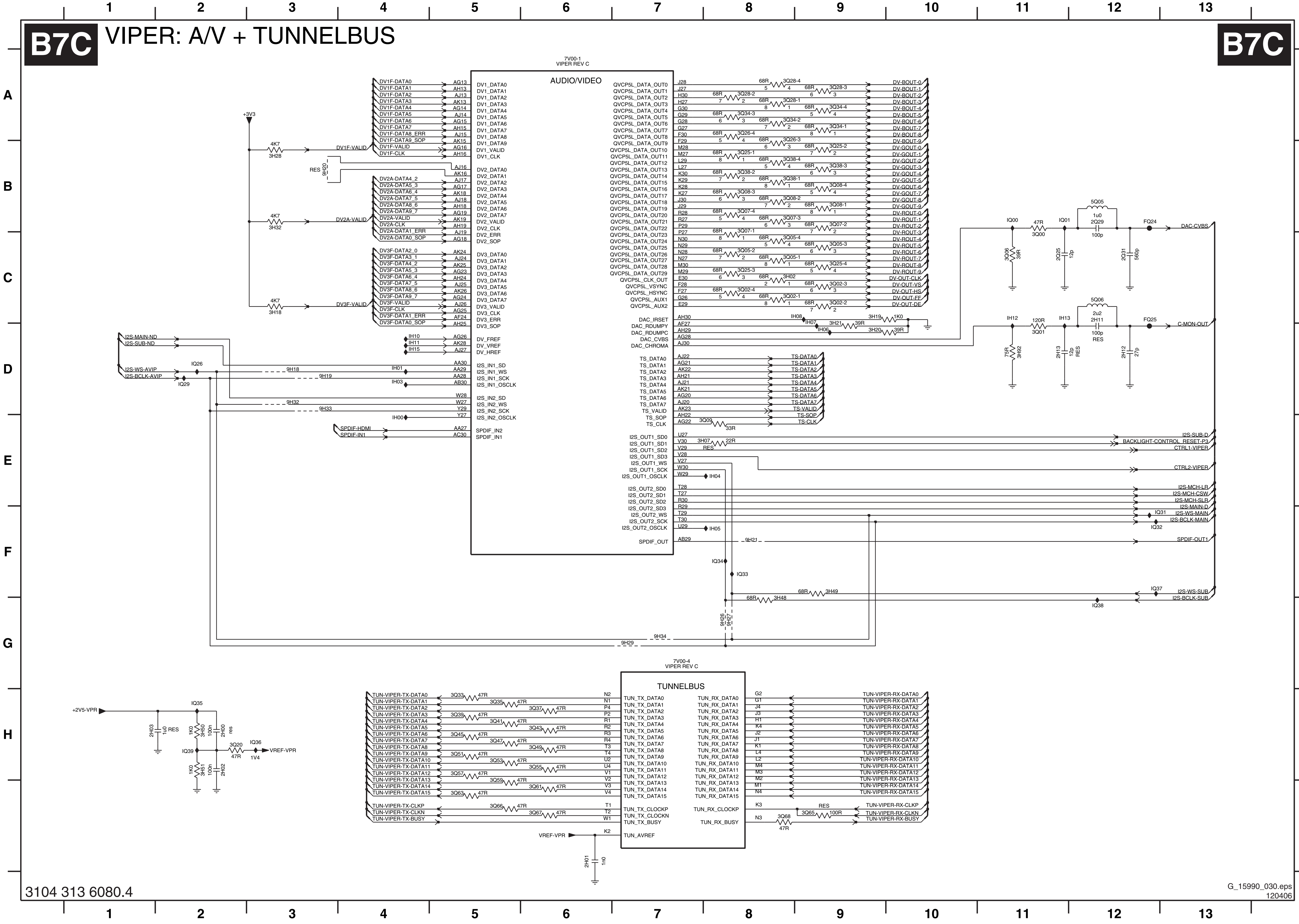
| | |
|---|---|
| 2V01 | C15 |
| 2V02 | C2 |
| 2V03 | H1 |
| 2V04 | H2 |
| 2V05 | H2 |
| 2V06 | H7 |
| 2V07 | H7 |
| 2V08 | H7 |
| 2V09 | H8 |
| 2V10 | H8 |
| 2V11 | H8 |
| 2V12 | H8 |
| 2V13 | H8 |
| 2V14 | H9 |
| 2V16 | H3 |
| 2V17 | H4 |
| 2V18 | H4 |
| 2V19 | H4 |
| 2V20 | H4 |
| 2V21 | H5 |
| 2V22 | H5 |
| 2V23 | H5 |
| 2V24 | H5 |
| 2V25 | H5 |
| 2V26 | H6 |
| 2V27 | H6 |
| 2V28 | H6 |
| 2V29 | H6 |
| 2V30 | H6 |
| 2V31 | H7 |
| 2V32 | F4 |
| 2V35 | H9 |
| 2V36 | A6 |
| 2V37 | A7 |
| 2V38 | A7 |
| 2V39 | A9 |
| 2V40 | A9 |
| 2V41 | A9 |
| 2V42 | A10 |
| 2V43 | A10 |
| 2V44 | A12 |
| 2V45 | A12 |
| 2V46 | A12 |
| 2V47 | A12 |
| 2V48 | A12 |
| 2V49 | A15 |
| 2V50 | A15 |
| 2V51 | A15 |
| 2V52 | F8 |
| 2V53 | F8 |
| 2V54 | F9 |
| 2V55 | F4 |
| 2V56 | F4 |
| 3V00-1 | B10 |
| 3V00-2 | B10 |
| 3V00-3 | B10 |
| 3V00-4 | B10 |
| 3V01-1 | B10 |
| 3V01-2 | B10 |
| 3V01-3 | B10 |
| 3V01-4 | B10 |
| 3V13-1 | B12 |
| 3V13-2 | B12 |
| 3V13-3 | B12 |
| 3V13-4 | B12 |
| 3V15-1 | B12 |
| 3V15-2 | B12 |
| 3V15-3 | B12 |
| 3V15-4 | B12 |
| 3V16-1 | C10 |
| 3V16-2 | C10 |
| 3V16-3 | C10 |
| 3V16-4 | C10 |
| 3V17-1 | C12 |
| 3V17-2 | C12 |
| 3V17-3 | C12 |
| 3V17-4 | C12 |
| 3V18-1 | C10 |
| 3V18-2 | C10 |
| 3V18-3 | C10 |
| 3V18-4 | C10 |
| 3V19-1 | C12 |
| 3V19-2 | C12 |
| 3V19-3 | C12 |
| 3V19-4 | C12 |
| 3V24 | F8 |
| 3V25 | F8 |
| 3V40 | C10 |
| 3V41 | C11 |
| 3V42 | C10 |
| 3V43 | C11 |
| 3V44 | D2 |
| 3V45 | F4 |
| 3V46 | F4 |
| 3V47 | C15 |
| 3V48 | C7 |
| 3V78 | E3 |
| 5V01 | G2 |
| 5V02 | H2 |
| 7V00-2 | A4 |
| 7V01 | A7 |
| 7V02 | A14 |
| IH21 | G2 |
| IQ14 | F5 |
| IQ15 | F9 |

## SSB: Viper: A/V + Tunnelbus


B7C
VIPER: A/V + TUNNELBUS
B7C
7V00-1
VIPER REV C
AUDIO/VIDEO
DV1F-DATA0 … DV1F-DATA9_SOP
DV1F-VALID
DV1F-CLK
DV2A-DATA4_2 … DV2A-DATA0_SOP
DV2A-VALID
DV2A-CLK
DV3F-DATA2_0 … DV3F-DATA0_SOP
DV3F-VALID
DV3F-CLK
+3V3
4K7
3H28
3H32
3H18
RES
9H20
I2S-MAIN-ND
I2S-SUB-ND
I2S-WS-AVIP
I2S-BCLK-AVIP
IQ26
IQ29
9H18
9H19
9H32
9H33
IH01
IH03
IH00
IH10
IH11
IH15
SPDIF-HDMI
SPDIF-IN1
DV1_DATA0 … DV1_DATA9
DV1_VALID
DV1_CLK
DV2_DATA0 … DV2_DATA7
DV2_VALID
DV2_CLK
DV2_ERR
DV2_SOP
DV3_DATA0 … DV3_DATA7
DV3_VALID
DV3_CLK
DV3_ERR
DV3_SOP
DV_FREF
DV_VREF
DV_HREF
I2S_IN1_SD
I2S_IN1_WS
I2S_IN1_SCK
I2S_IN1_OSCLK
I2S_IN2_SD
I2S_IN2_WS
I2S_IN2_SCK
I2S_IN2_OSCLK
SPDIF_IN2
SPDIF_IN1
QVCP5L_DATA_OUT0 … QVCP5L_DATA_OUT29
QVCP5L_CLK_OUT
QVCP5L_VSYNC
QVCP5L_HSYNC
QVCP5L_AUX1
QVCP5L_AUX2
DAC_IRSET
DAC_RDUMPY
DAC_RDUMPC
DAC_CVBS
DAC_CHROMA
TS_DATA0 … TS_DATA7
TS_VALID
TS_SOP
TS_CLK
I2S_OUT1_SD0
I2S_OUT1_SD1
I2S_OUT1_SD2
I2S_OUT1_SD3
I2S_OUT1_WS
I2S_OUT1_SCK
I2S_OUT1_OSCLK
I2S_OUT2_SD0
I2S_OUT2_SD1
I2S_OUT2_SD2
I2S_OUT2_SD3
I2S_OUT2_WS
I2S_OUT2_SCK
I2S_OUT2_OSCLK
SPDIF_OUT
68R
3Q28
3Q34
3Q26
3Q25
3Q38
3Q08
3Q07
3Q05
3Q02
DV-BOUT-0 … DV-BOUT-9
DV-GOUT-0 … DV-GOUT-9
DV-ROUT-0 … DV-ROUT-9
DV-OUT-CLK
DV-OUT-VS
DV-OUT-HS
DV-OUT-FF
DV-OUT-DE
IH08
IH07
IH06
3H19
1K0
3H21
3H20
39R
IQ00
47R
3Q00
IQ01
5Q05
1u0
2Q29
100p
FQ24
DAC-CVBS
3Q06
39R
2Q25
12p
2Q31
560p
IH12
120R
3Q01
IH13
5Q06
2u2
2H11
100p
RES
FQ25
C-MON-OUT
75R
3H92
2H13
12p
RES
2H12
27p
TS-DATA0 … TS-DATA7
TS-VALID
TS-SOP
TS-CLK
3Q09
33R
3H07
22R
RES
IH04
IH05
I2S-SUB-D
BACKLIGHT-CONTROL_RESET-P3
CTRL1-VIPER
CTRL2-VIPER
I2S-MCH-LR
I2S-MCH-CSW
I2S-MCH-SLR
I2S-MAIN-D
I2S-WS-MAIN
I2S-BCLK-MAIN
IQ31
IQ32
9H21
SPDIF-OUT1
IQ34
IQ33
68R
3H49
3H48
IQ37
IQ38
I2S-WS-SUB
I2S-BCLK-SUB
9H26
9H27
9H34
9H29
7V00-4
VIPER REV C
TUNNELBUS
TUN-VIPER-TX-DATA0 … TUN-VIPER-TX-DATA15
TUN-VIPER-TX-CLKP
TUN-VIPER-TX-CLKN
TUN-VIPER-TX-BUSY
3Q33 … 3Q67
47R
TUN_TX_DATA0 … TUN_TX_DATA15
TUN_TX_CLOCKP
TUN_TX_CLOCKN
TUN_TX_BUSY
TUN_AVREF
VREF-VPR
2H01
1n0
TUN_RX_DATA0 … TUN_RX_DATA15
TUN_RX_CLOCKP
TUN_RX_BUSY
TUN-VIPER-RX-DATA0 … TUN-VIPER-RX-DATA15
TUN-VIPER-RX-CLKP
TUN-VIPER-RX-CLKN
TUN-VIPER-RX-BUSY
3Q65
100R
3Q68
47R
+2V5-VPR
IQ35
2H03
1u0
RES
1K0
3H50
100n
2H00
res
IQ39
3Q20
47R
IQ36
1V4
VREF-VPR
1K0
3H51
100n
2H02
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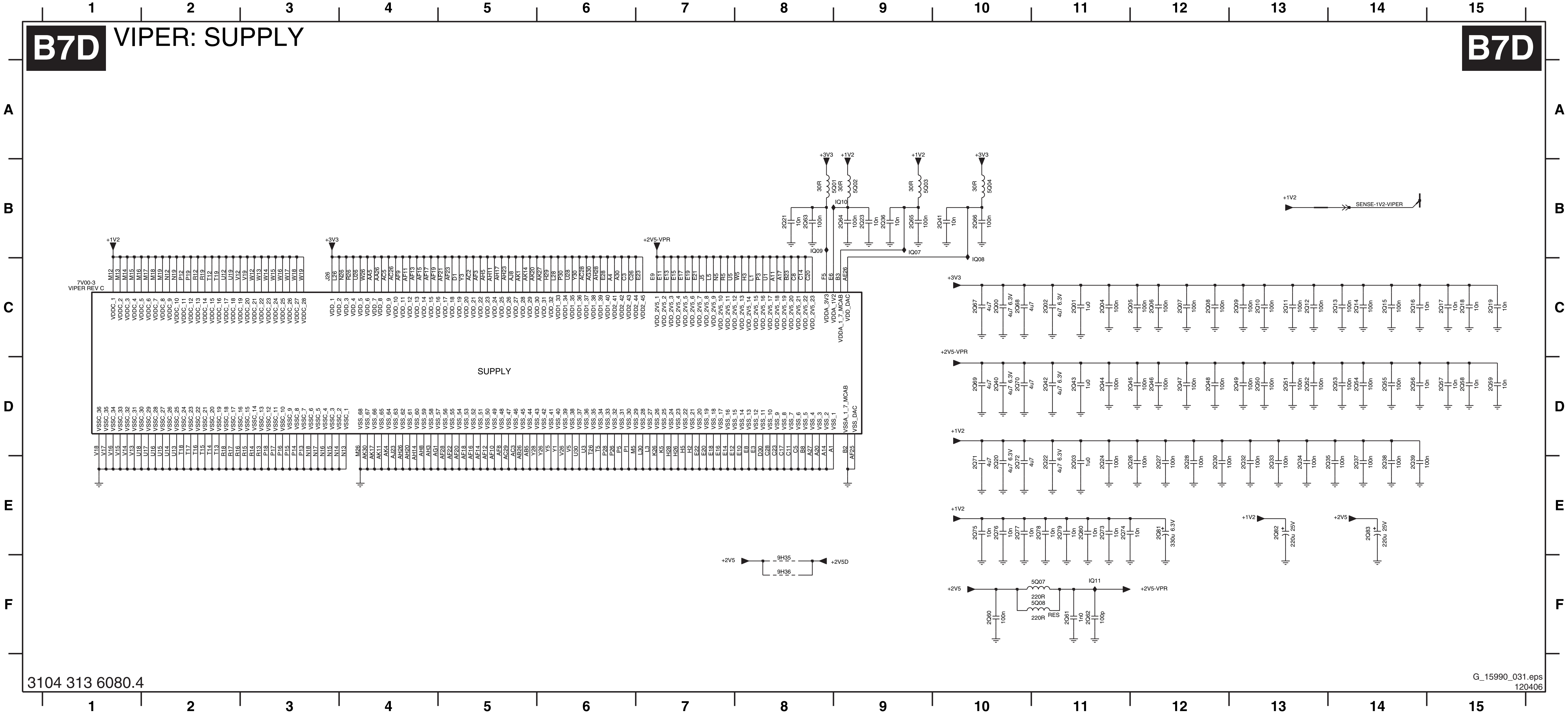
| | |
|---|---|
| 2H00 | H2 |
| 2H01 | I6 |
| 2H02 | H2 |
| 2H03 | H1 |
| 2H11 | C12 |
| 2H12 | D12 |
| 2H13 | D11 |
| 2Q25 | C11 |
| 2Q29 | B12 |
| 2Q31 | C12 |
| 3H02 | C8 |
| 3H07 | E8 |
| 3H18 | C3 |
| 3H19 | C9 |
| 3H20 | D9 |
| 3H21 | D9 |
| 3H28 | B3 |
| 3H32 | B3 |
| 3H48 | G8 |
| 3H49 | F9 |
| 3H50 | H2 |
| 3H51 | H2 |
| 3H92 | D11 |
| 3Q00 | C11 |
| 3Q01 | D11 |
| 3Q02-1 | C8 |
| 3Q02-2 | C9 |
| 3Q02-3 | C9 |
| 3Q02-4 | C8 |
| 3Q05-1 | C8 |
| 3Q05-2 | C8 |
| 3Q05-3 | C9 |
| 3Q05-4 | C8 |
| 3Q06 | C11 |
| 3Q07-1 | B8 |
| 3Q07-2 | B9 |
| 3Q07-3 | B8 |
| 3Q07-4 | B8 |
| 3Q08-1 | B9 |
| 3Q08-2 | B8 |
| 3Q08-3 | B8 |
| 3Q08-4 | B9 |
| 3Q09 | E8 |
| 3Q20 | H2 |
| 3Q25-1 | B8 |
| 3Q25-2 | B9 |
| 3Q25-3 | C8 |
| 3Q25-4 | C9 |
| 3Q26-3 | A8 |
| 3Q26-4 | A8 |
| 3Q28-1 | A8 |
| 3Q28-2 | A8 |
| 3Q28-3 | A9 |
| 3Q28-4 | A8 |
| 3Q33 | H5 |
| 3Q34-1 | A9 |
| 3Q34-2 | A8 |
| 3Q34-3 | A8 |
| 3Q34-4 | A9 |
| 3Q35 | H5 |
| 3Q37 | H6 |
| 3Q38-1 | B8 |
| 3Q38-2 | B8 |
| 3Q38-3 | B9 |
| 3Q38-4 | B8 |
| 3Q39 | H5 |
| 3Q41 | H5 |
| 3Q43 | H6 |
| 3Q45 | H5 |
| 3Q47 | H5 |
| 3Q49 | H6 |
| 3Q51 | H5 |
| 3Q53 | H5 |
| 3Q55 | H6 |
| 3Q57 | H5 |
| 3Q59 | I5 |
| 3Q61 | I6 |
| 3Q63 | I5 |
| 3Q65 | I9 |
| 3Q66 | I5 |
| 3Q67 | I6 |
| 3Q68 | I8 |
| 5Q05 | B12 |
| 5Q06 | C12 |
| 7V00-1 | A6 |
| 7V00-4 | G7 |
| 9H18 | D3 |
| 9H19 | D3 |
| 9H20 | B3 |
| 9H21 | F8 |
| 9H26 | G8 |
| 9H27 | G8 |
| 9H29 | G7 |
| 9H32 | D3 |
| 9H33 | D3 |
| 9H34 | G7 |
| FQ24 | B12 |
| FQ25 | C12 |
| IH00 | E4 |
| IH01 | D4 |
| IH03 | D4 |
| IH04 | E8 |
| IH05 | F8 |
| IH06 | D9 |
| IH07 | C9 |
| IH08 | C9 |
| IH10 | D4 |
| IH11 | D4 |
| IH12 | C11 |
| IH13 | C11 |
| IH15 | D4 |
| IQ00 | B11 |
| IQ01 | B11 |
| IQ26 | D2 |
| IQ29 | D2 |
| IQ31 | F13 |
| IQ32 | F12 |
| IQ33 | F8 |
| IQ34 | F8 |
| IQ35 | H2 |
| IQ36 | H3 |
| IQ37 | F12 |
| IQ38 | G12 |
| IQ39 | H2 |

## SSB: Viper: Supply

| | |
|---|---|
| 2Q00 | C10 |
| 2Q01 | C11 |
| 2Q02 | C11 |
| 2Q03 | E11 |
| 2Q04 | C11 |
| 2Q05 | C12 |
| 2Q06 | C12 |
| 2Q07 | C12 |
| 2Q08 | C12 |
| 2Q09 | C13 |
| 2Q10 | C13 |
| 2Q11 | C13 |
| 2Q12 | C13 |
| 2Q13 | C14 |
| 2Q14 | C14 |
| 2Q15 | C14 |
| 2Q16 | C14 |
| 2Q17 | C15 |
| 2Q18 | C15 |
| 2Q19 | C15 |
| 2Q20 | E10 |
| 2Q21 | B8 |
| 2Q22 | E11 |
| 2Q23 | B9 |
| 2Q24 | E11 |
| 2Q26 | E12 |
| 2Q27 | E12 |
| 2Q28 | E12 |
| 2Q30 | E12 |
| 2Q32 | E13 |
| 2Q33 | E13 |
| 2Q34 | E13 |
| 2Q35 | E14 |
| 2Q36 | B9 |
| 2Q37 | E14 |
| 2Q38 | E14 |
| 2Q39 | E14 |
| 2Q40 | D10 |
| 2Q41 | B10 |
| 2Q42 | D11 |
| 2Q43 | D11 |
| 2Q44 | D11 |
| 2Q45 | D12 |
| 2Q46 | D12 |
| 2Q47 | D12 |
| 2Q48 | D12 |
| 2Q49 | D13 |
| 2Q50 | D13 |
| 2Q51 | D13 |
| 2Q52 | D13 |
| 2Q53 | D14 |
| 2Q54 | D14 |
| 2Q55 | D14 |
| 2Q56 | D14 |
| 2Q57 | D15 |
| 2Q58 | D15 |
| 2Q59 | D15 |
| 2Q60 | F10 |
| 2Q61 | F11 |
| 2Q62 | F11 |
| 2Q63 | B8 |
| 2Q64 | B9 |
| 2Q65 | B9 |
| 2Q66 | B10 |
| 2Q67 | C10 |
| 2Q68 | C10 |
| 2Q69 | D10 |
| 2Q70 | D10 |
| 2Q71 | E10 |
| 2Q72 | E10 |
| 2Q73 | E11 |
| 2Q74 | E11 |
| 2Q75 | E10 |
| 2Q76 | E10 |
| 2Q77 | E10 |
| 2Q78 | E11 |
| 2Q79 | E11 |
| 2Q80 | E11 |
| 2Q81 | E12 |
| 2Q82 | E13 |
| 2Q83 | E14 |
| 5Q01 | B8 |
| 5Q02 | B9 |
| 5Q03 | B9 |
| 5Q04 | B10 |
| 5Q07 | F11 |
| 5Q08 | F11 |
| 7V00-3 | C1 |
| 9H35 | F8 |
| 9H36 | F8 |
| IQ07 | B9 |
| IQ08 | C10 |
| IQ09 | B8 |
| IQ10 | B9 |
| IQ11 | F11 |


B7D
VIPER: SUPPLY
B7D
7V00-3
VIPER REV C
SUPPLY
+1V2
+3V3
+2V5-VPR
SENSE-1V2-VIPER
+2V5
+2V5D
9H35
9H36
5Q07
220R
5Q08
220R
RES
IQ11
+2V5-VPR
IQ07
IQ08
IQ09
IQ10
5Q01
5Q02
5Q03
5Q04
30R
3104 313 6080.4
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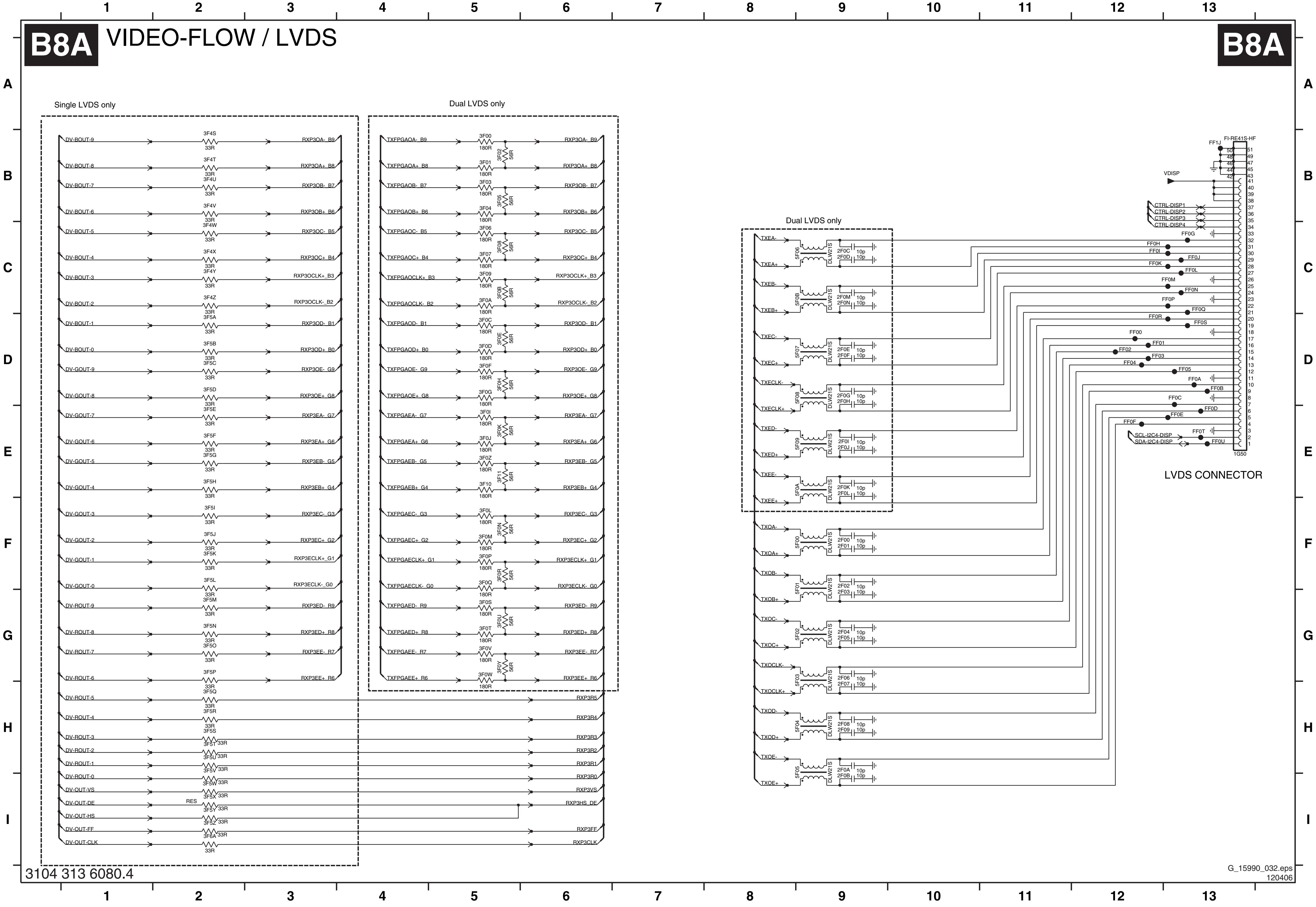
## SSB: Video Flow / LVDS


B8A
VIDEO-FLOW / LVDS
B8A
Single LVDS only
Dual LVDS only
Dual LVDS only
VDISP
FI-RE41S-HF
CTRL-DISP1
CTRL-DISP2
CTRL-DISP3
CTRL-DISP4
SCL-I2C4-DISP
SDA-I2C4-DISP
1G50
LVDS CONNECTOR
RES
3104 313 6080.4
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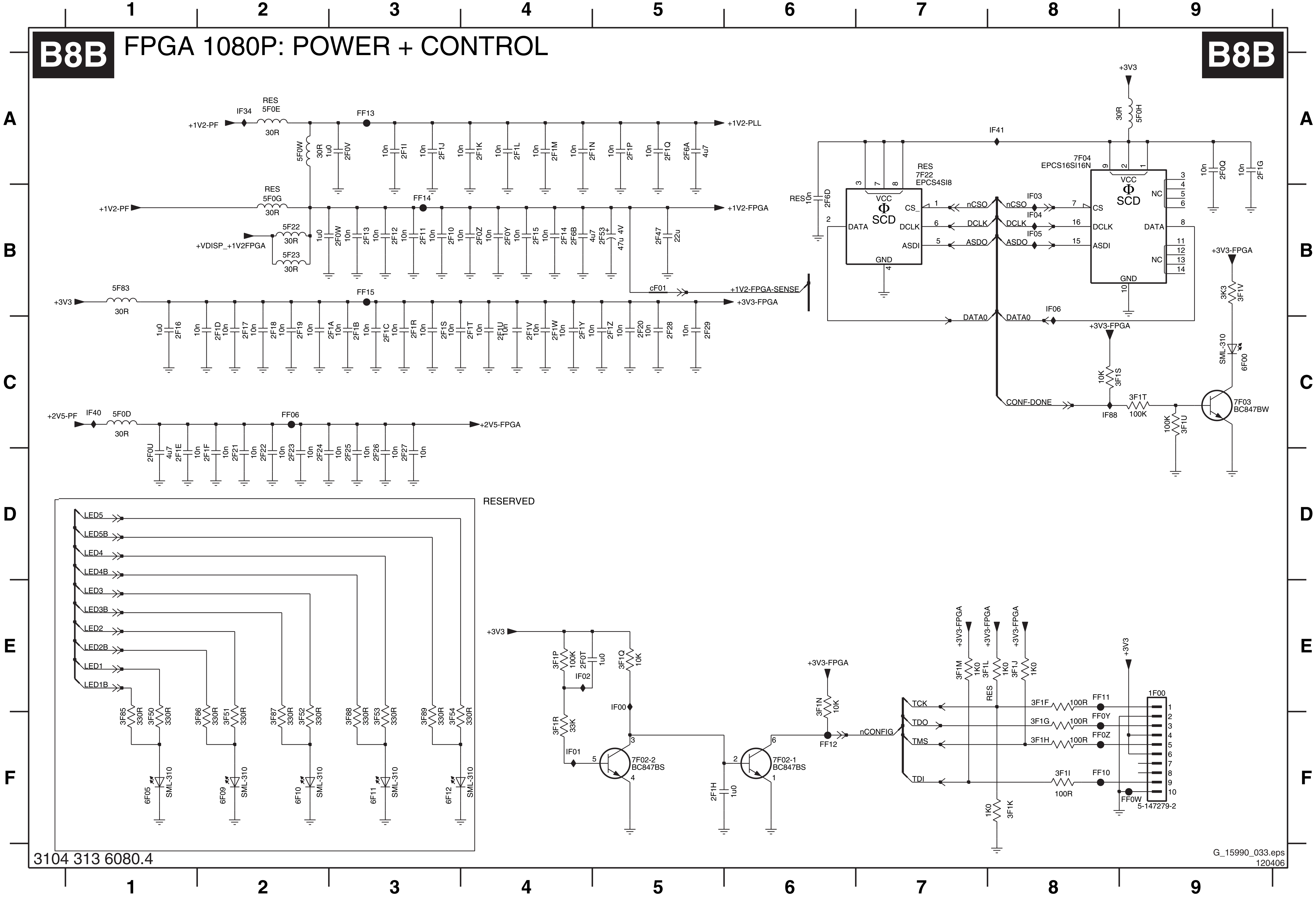
120406

| | |
|---|---|
| 1G50 | E13 |
| 2F00 | F9 |
| 2F01 | F9 |
| 2F02 | F9 |
| 2F03 | G9 |
| 2F04 | G9 |
| 2F05 | G9 |
| 2F06 | G9 |
| 2F07 | H9 |
| 2F08 | H9 |
| 2F09 | H9 |
| 2F0A | H9 |
| 2F0B | I9 |
| 2F0C | C9 |
| 2F0D | C9 |
| 2F0E | D9 |
| 2F0F | D9 |
| 2F0G | D9 |
| 2F0H | D9 |
| 2F0I | E9 |
| 2F0J | E9 |
| 2F0K | E9 |
| 2F0L | E9 |
| 2F0M | C9 |
| 2F0N | C9 |
| 3F00 | B5 |
| 3F01 | B5 |
| 3F02 | B5 |
| 3F03 | B5 |
| 3F04 | B5 |
| 3F05 | B5 |
| 3F06 | C5 |
| 3F07 | C5 |
| 3F08 | C5 |
| 3F09 | C5 |
| 3F0A | C5 |
| 3F0B | C5 |
| 3F0C | D5 |
| 3F0D | D5 |
| 3F0E | D5 |
| 3F0F | D5 |
| 3F0G | D5 |
| 3F0H | D5 |
| 3F0I | E5 |
| 3F0J | E5 |
| 3F0K | E5 |
| 3F0L | F5 |
| 3F0M | F5 |
| 3F0N | F5 |
| 3F0P | F5 |
| 3F0Q | F5 |
| 3F0R | F5 |
| 3F0S | G5 |
| 3F0T | G5 |
| 3F0U | G5 |
| 3F0V | G5 |
| 3F0W | G5 |
| 3F0Y | G5 |
| 3F0Z | E5 |
| 3F10 | E5 |
| 3F11 | E5 |
| 3F4S | B2 |
| 3F4T | B2 |
| 3F4U | B2 |
| 3F4V | B2 |
| 3F4W | C2 |
| 3F4X | C2 |
| 3F4Y | C2 |
| 3F4Z | C2 |
| 3F5A | D2 |
| 3F5B | D2 |
| 3F5C | D2 |
| 3F5D | D2 |
| 3F5E | E2 |
| 3F5F | E2 |
| 3F5G | E2 |
| 3F5H | E2 |
| 3F5I | F2 |
| 3F5J | F2 |
| 3F5K | F2 |
| 3F5L | F2 |
| 3F5M | G2 |
| 3F5N | G2 |
| 3F5O | G2 |
| 3F5P | G2 |
| 3F5Q | H2 |
| 3F5R | H2 |
| 3F5S | H2 |
| 3F5T | H2 |
| 3F5U | H2 |
| 3F5V | H2 |
| 3F5W | I2 |
| 3F5X | I2 |
| 3F5Y | I2 |
| 3F5Z | I2 |
| 3F6A | I2 |
| 5F00 | F9 |
| 5F01 | F9 |
| 5F02 | G9 |
| 5F03 | G9 |
| 5F04 | H9 |
| 5F05 | H9 |
| 5F06 | C9 |
| 5F07 | D9 |
| 5F08 | D9 |
| 5F09 | E9 |
| 5F0A | E9 |
| 5F0B | C9 |
| FF00 | D12 |
| FF01 | D12 |
| FF02 | D12 |
| FF03 | D12 |
| FF04 | D12 |
| FF05 | D13 |
| FF0A | D13 |
| FF0B | D13 |
| FF0C | D13 |
| FF0D | E13 |
| FF0E | E13 |
| FF0F | E12 |
| FF0G | C13 |
| FF0H | C12 |
| FF0I | C12 |
| FF0J | C13 |
| FF0K | C12 |
| FF0L | C13 |
| FF0M | C13 |
| FF0N | C13 |
| FF0P | C13 |
| FF0Q | C13 |
| FF0R | D12 |
| FF0S | D13 |
| FF0T | E13 |
| FF0U | E13 |
| FF1J | B13 |

## SSB: FPGA 1080P: Power & Control


B8B
FPGA 1080P: POWER + CONTROL
B8B
1 2 3 4 5 6 7 8 9
A B C D E F
+1V2-PF
IF34
RES
5F0E
30R
FF13
+1V2-PLL
5F0W
30R
1u0
2F0V
10n 2F1I
10n 2F1J
10n 2F1K
10n 2F1L
10n 2F1M
10n 2F1N
10n 2F1P
10n 2F1Q
2F6A 4u7
+1V2-PF
RES
5F0G
30R
FF14
+1V2-FPGA
+VDISP_+1V2FPGA
5F22
30R
5F23
30R
1u0 2F0W
10n 2F13
10n 2F12
10n 2F11
10n 2F10
10n 2F0Z
10n 2F0Y
10n 2F15
10n 2F14
2F6B 4u7
2F53 47u 4V
2F47 22u
cF01
+1V2-FPGA-SENSE
+3V3
5F83
30R
FF15
+3V3-FPGA
1u0 2F16
10n 2F1D
10n 2F17
10n 2F18
10n 2F19
10n 2F1A
10n 2F1B
10n 2F1C
10n 2F1R
10n 2F1S
10n 2F1T
10n 2F1U
10n 2F1V
10n 2F1W
10n 2F1Y
10n 2F1Z
10n 2F20
10n 2F28
10n 2F29
+2V5-PF
IF40
5F0D
30R
FF06
+2V5-FPGA
2F0U 4u7
2F1E 10n
2F1F 10n
2F21 10n
2F22 10n
2F23 10n
2F24 10n
2F25 10n
2F26 10n
2F27 10n
+3V3
30R 5F0H
IF41
RES
7F22
EPCS4SI8
RES
10n 2F6D
VCC
SCD
CS_
DATA
DCLK
ASDI
GND
nCSO
DCLK
ASDO
IF03
IF04
IF05
7F04
EPCS16SI16N
VCC
SCD
NC
CS
DCLK
DATA
ASDI
NC
GND
10n 2F0Q
10n 2F1G
DATA0
DATA0
IF06
+3V3-FPGA
10K 3F1S
CONF-DONE
IF88
3F1T 100K
100K 3F1U
+3V3-FPGA
3K3 3F1V
SML-310
6F00
7F03
BC847BW
RESERVED
LED5
LED5B
LED4
LED4B
LED3
LED3B
LED2
LED2B
LED1
LED1B
3F85 330R
3F50 330R
3F86 330R
3F51 330R
3F87 330R
3F52 330R
3F88 330R
3F53 330R
3F89 330R
3F54 330R
6F05 SML-310
6F09 SML-310
6F10 SML-310
6F11 SML-310
6F12 SML-310
+3V3
3F1P 100K
2F0T 1u0
3F1Q 10K
IF02
IF00
3F1R 33K
IF01
7F02-2
BC847BS
7F02-1
BC847BS
2F1H 1u0
+3V3-FPGA
3F1N 10K
FF12
nCONFIG
+3V3-FPGA
+3V3-FPGA
+3V3-FPGA
3F1M 1K0
3F1L 1K0
3F1J 1K0
RES
TCK
TDO
TMS
TDI
3F1F 100R
3F1G 100R
3F1H 100R
3F1I 100R
FF11
FF0Y
FF0Z
FF10
FF0W
1K0 3F1K
+3V3
1F00
5-147279-2

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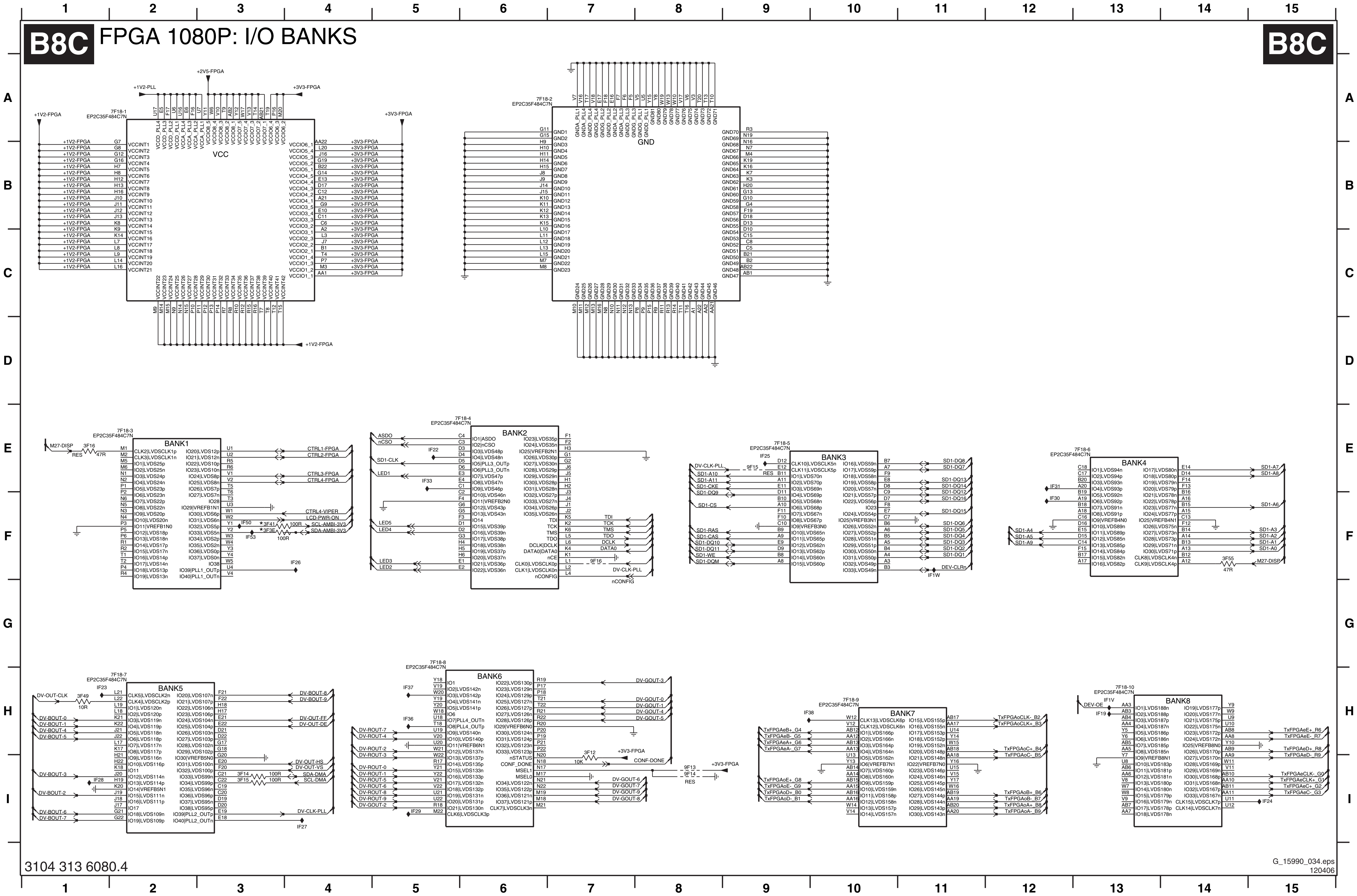
| | |
|---|---|
| 1F00 | E9 |
| 2F0Q | A9 |
| 2F0T | E4 |
| 2F0U | D1 |
| 2F0V | A3 |
| 2F0W | B3 |
| 2F0Y | B4 |
| 2F0Z | B4 |
| 2F10 | B3 |
| 2F11 | B3 |
| 2F12 | B3 |
| 2F13 | B3 |
| 2F14 | B4 |
| 2F15 | B4 |
| 2F16 | C1 |
| 2F17 | C2 |
| 2F18 | C2 |
| 2F19 | C2 |
| 2F1A | C3 |
| 2F1B | C3 |
| 2F1C | C3 |
| 2F1D | C2 |
| 2F1E | D1 |
| 2F1F | D2 |
| 2F1G | A9 |
| 2F1H | F5 |
| 2F1I | A3 |
| 2F1J | A3 |
| 2F1K | A4 |
| 2F1L | A4 |
| 2F1M | A4 |
| 2F1N | A4 |
| 2F1P | A5 |
| 2F1Q | A5 |
| 2F1R | C3 |
| 2F1S | C3 |
| 2F1T | C4 |
| 2F1U | C4 |
| 2F1V | C4 |
| 2F1W | C4 |
| 2F1Y | C4 |
| 2F1Z | C5 |
| 2F20 | C5 |
| 2F21 | D2 |
| 2F22 | D2 |
| 2F23 | D2 |
| 2F24 | D2 |
| 2F25 | D3 |
| 2F26 | D3 |
| 2F27 | D3 |
| 2F28 | C5 |
| 2F29 | C5 |
| 2F47 | B5 |
| 2F53 | B5 |
| 2F6A | A5 |
| 2F6B | B4 |
| 2F6D | B6 |
| 3F1F | E8 |
| 3F1G | F8 |
| 3F1H | F8 |
| 3F1I | F8 |
| 3F1J | E8 |
| 3F1K | F8 |
| 3F1L | E7 |
| 3F1M | E7 |
| 3F1N | E6 |
| 3F1P | E4 |
| 3F1Q | E5 |
| 3F1R | F4 |
| 3F1S | C8 |
| 3F1T | C9 |
| 3F1U | C9 |
| 3F1V | B9 |
| 3F50 | F1 |
| 3F51 | F2 |
| 3F52 | F2 |
| 3F53 | F3 |
| 3F54 | F3 |
| 3F85 | F1 |
| 3F86 | F2 |
| 3F87 | F2 |
| 3F88 | F3 |
| 3F89 | F3 |
| 5F0D | C1 |
| 5F0E | A2 |
| 5F0G | B2 |
| 5F0H | A9 |
| 5F0W | A2 |
| 5F22 | B2 |
| 5F23 | B2 |
| 5F83 | B1 |
| 6F00 | C9 |
| 6F05 | F1 |
| 6F09 | F2 |
| 6F10 | F2 |
| 6F11 | F3 |
| 6F12 | F3 |
| 7F02-1 | F6 |
| 7F02-2 | F5 |
| 7F03 | C9 |
| 7F04 | A8 |
| 7F22 | A7 |
| FF06 | C2 |
| FF0W | F9 |
| FF0Y | F8 |
| FF0Z | F8 |
| FF10 | F8 |
| FF11 | E8 |
| FF12 | F6 |
| FF13 | A3 |
| FF14 | B3 |
| FF15 | B3 |
| IF00 | E5 |
| IF01 | F4 |
| IF02 | E4 |
| IF03 | B8 |
| IF04 | B8 |
| IF05 | B8 |
| IF06 | B8 |
| IF34 | A2 |
| IF40 | C1 |
| IF41 | A8 |
| IF88 | C8 |
| cF01 | B5 |

## SSB: FPGA 1080P: I/O Banks


B8C
FPGA 1080P: I/O BANKS
B8C
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
7F18-1
EP2C35F484C7N
VCC
+1V2-PLL
+2V5-FPGA
+3V3-FPGA
+1V2-FPGA
7F18-2
EP2C35F484C7N
GND
7F18-3
EP2C35F484C7N
BANK1
M27-DISP
3F16
47R
RES
CTRL1-FPGA
CTRL2-FPGA
CTRL3-FPGA
CTRL4-FPGA
CTRL4-VIPER
LCD-PWR-ON
SCL-AMBI-3V3
SDA-AMBI-3V3
IF50
IF53
3F41
3F3E
100R
IF26
7F18-4
EP2C35F484C7N
BANK2
ASDO
nCSO
IF22
SD1-CLK
LED1
IF33
LED5
LED4
LED3
LED2
TDI
TCK
TMS
TDO
DCLK
DATA0
9F16
DV-CLK-PLL
nCONFIG
7F18-5
EP2C35F484C7N
BANK3
IF25
DV-CLK-PLL
9F15
RES
SD1-A10
SD1-A11
SD1-CKE
SD1-DQ9
SD1-CS
SD1-RAS
SD1-CAS
SD1-DQ10
SD1-DQ11
SD1-WE
SD1-DQM
SD1-DQ8
SD1-DQ7
SD1-DQ13
SD1-DQ14
SD1-DQ12
SD1-DQ16
SD1-DQ15
SD1-DQ6
SD1-DQ5
SD1-DQ4
SD1-DQ3
SD1-DQ2
SD1-DQ1
DEV-CLRn
IF1W
7F18-6
EP2C35F484C7N
BANK4
IF31
IF30
SD1-A4
SD1-A5
SD1-A9
SD1-A7
SD1-A8
SD1-A6
SD1-A3
SD1-A2
SD1-A1
SD1-A0
3F55
47R
M27-DISP
7F18-7
EP2C35F484C7N
BANK5
IF23
DV-OUT-CLK
3F49
10R
DV-BOUT-0
DV-BOUT-1
DV-BOUT-4
DV-BOUT-5
DV-BOUT-3
IF28
DV-BOUT-2
DV-BOUT-6
DV-BOUT-7
DV-BOUT-8
DV-BOUT-9
DV-OUT-FF
DV-OUT-DE
DV-OUT-HS
DV-OUT-VS
3F14
3F15
100R
SDA-DMA
SCL-DMA
DV-CLK-PLL
IF27
7F18-8
EP2C35F484C7N
BANK6
IF37
IF36
DV-ROUT-7
DV-ROUT-4
DV-ROUT-2
DV-ROUT-3
DV-ROUT-0
DV-ROUT-1
DV-ROUT-5
DV-ROUT-6
DV-ROUT-8
DV-GOUT-2
IF29
DV-GOUT-3
DV-GOUT-0
DV-GOUT-1
DV-GOUT-4
DV-GOUT-5
3F12
10K
+3V3-FPGA
CONF-DONE
DV-GOUT-6
DV-GOUT-7
DV-GOUT-8
DV-GOUT-9
9F13
9F14
RES
+3V3-FPGA
7F18-9
EP2C35F484C7N
BANK7
IF38
TxFPGAeB+_G4
TxFPGAeB-_G5
TxFPGAeA+_G6
TxFPGAeA-_G7
TxFPGAoE+_G8
TxFPGAoE-_G9
TxFPGAoD+_B0
TxFPGAoD-_B1
TxFPGAoCLK-_B2
TxFPGAoCLK+_B3
TxFPGAoC+_B4
TxFPGAoC-_B5
TxFPGAoB+_B6
TxFPGAoB-_B7
TxFPGAoA+_B8
TxFPGAoA-_B9
7F18-10
EP2C35F484C7N
BANK8
IF1V
DEV-OE
IF19
TxFPGAeE+_R6
TxFPGAeE-_R7
TxFPGAeD+_R8
TxFPGAeD-_R9
TxFPGAeCLK-_G0
TxFPGAeCLK+_G1
TxFPGAeC+_G2
TxFPGAeC-_G3
IF24
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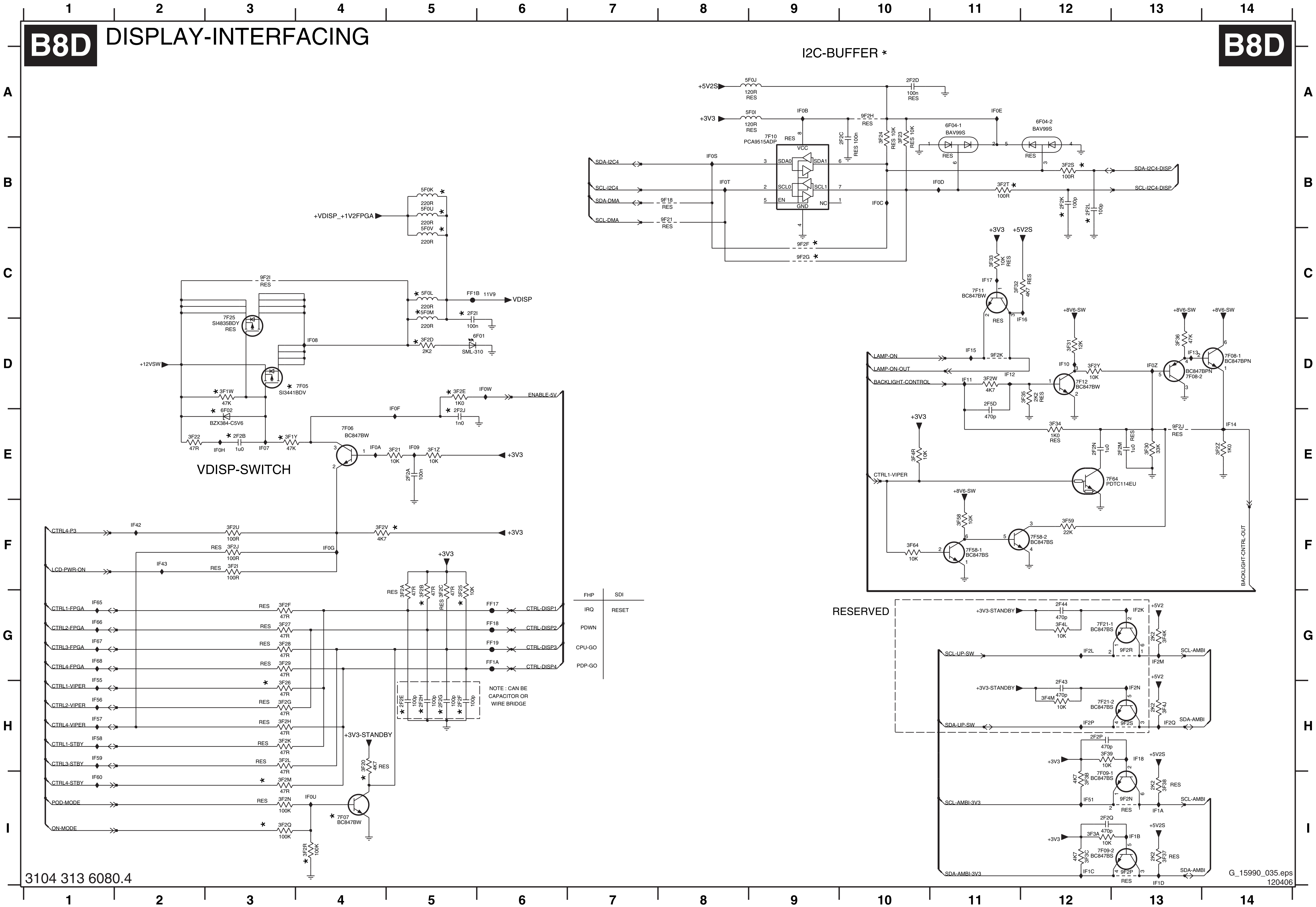
| | |
|---|---|
| 3F12 | H7 |
| 3F14 | I3 |
| 3F15 | I3 |
| 3F16 | E1 |
| 3F3E | F3 |
| 3F41 | F3 |
| 3F49 | H1 |
| 3F55 | F14 |
| 7F18-1 | A2 |
| 7F18-10 | H13 |
| 7F18-2 | A7 |
| 7F18-3 | E2 |
| 7F18-4 | E6 |
| 7F18-5 | E9 |
| 7F18-6 | E13 |
| 7F18-7 | H2 |
| 7F18-8 | G5 |
| 7F18-9 | H10 |
| 9F13 | I8 |
| 9F14 | I8 |
| 9F15 | E9 |
| 9F16 | F7 |
| IF19 | H1 |
| IF1V | H13 |
| IF1W | F11 |
| IF22 | E5 |
| IF23 | H1 |
| IF24 | I1 |
| IF25 | E9 |
| IF26 | F4 |
| IF27 | I4 |
| IF28 | I1 |
| IF29 | I5 |
| IF30 | F12 |
| IF31 | E12 |
| IF33 | E5 |
| IF36 | H5 |
| IF37 | H5 |
| IF38 | H9 |
| IF50 | F3 |
| IF53 | F3 |

## SSB: Display Interfacing


B8D
DISPLAY-INTERFACING
I2C-BUFFER *
VDISP-SWITCH
RESERVED
+5V2S
+3V3
7F10 PCA9515ADP
SDA0
SDA1
SCL0
SCL1
VCC
GND
EN
NC
SDA-I2C4
SCL-I2C4
SDA-DMA
SCL-DMA
SDA-I2C4-DISP
SCL-I2C4-DISP
6F04-1 BAV99S
6F04-2 BAV99S
+VDISP_+1V2FPGA
VDISP
11V9
7F25 SI4835BDY
7F05 SI3441BDV
+12VSW
BZX384-C5V6
SML-310
7F06 BC847BW
ENABLE-5V
7F11 BC847BW
7F12 BC847BW
7F08-1 BC847BPN
7F08-2 BC847BPN
7F64 PDTC114EU
7F58-1 BC847BS
7F58-2 BC847BS
+8V6-SW
LAMP-ON
LAMP-ON-OUT
BACKLIGHT-CONTROL
CTRL1-VIPER
BACKLIGHT-CNTRL-OUT
CTRL4-P3
LCD-PWR-ON
CTRL1-FPGA
CTRL2-FPGA
CTRL3-FPGA
CTRL4-FPGA
CTRL1-VIPER
CTRL2-VIPER
CTRL4-VIPER
CTRL1-STBY
CTRL3-STBY
CTRL4-STBY
POD-MODE
ON-MODE
CTRL-DISP1
CTRL-DISP2
CTRL-DISP3
CTRL-DISP4
FHP SDI
IRQ RESET
PDWN
CPU-GO
PDP-GO
NOTE : CAN BE CAPACITOR OR WIRE BRIDGE
+3V3-STANDBY
7F07 BC847BW
7F21-1 BC847BS
7F21-2 BC847BS
7F09-1 BC847BS
7F09-2 BC847BS
SCL-UP-SW
SDA-UP-SW
SCL-AMBI
SDA-AMBI
SCL-AMBI-3V3
SDA-AMBI-3V3
3104 313 6080.4
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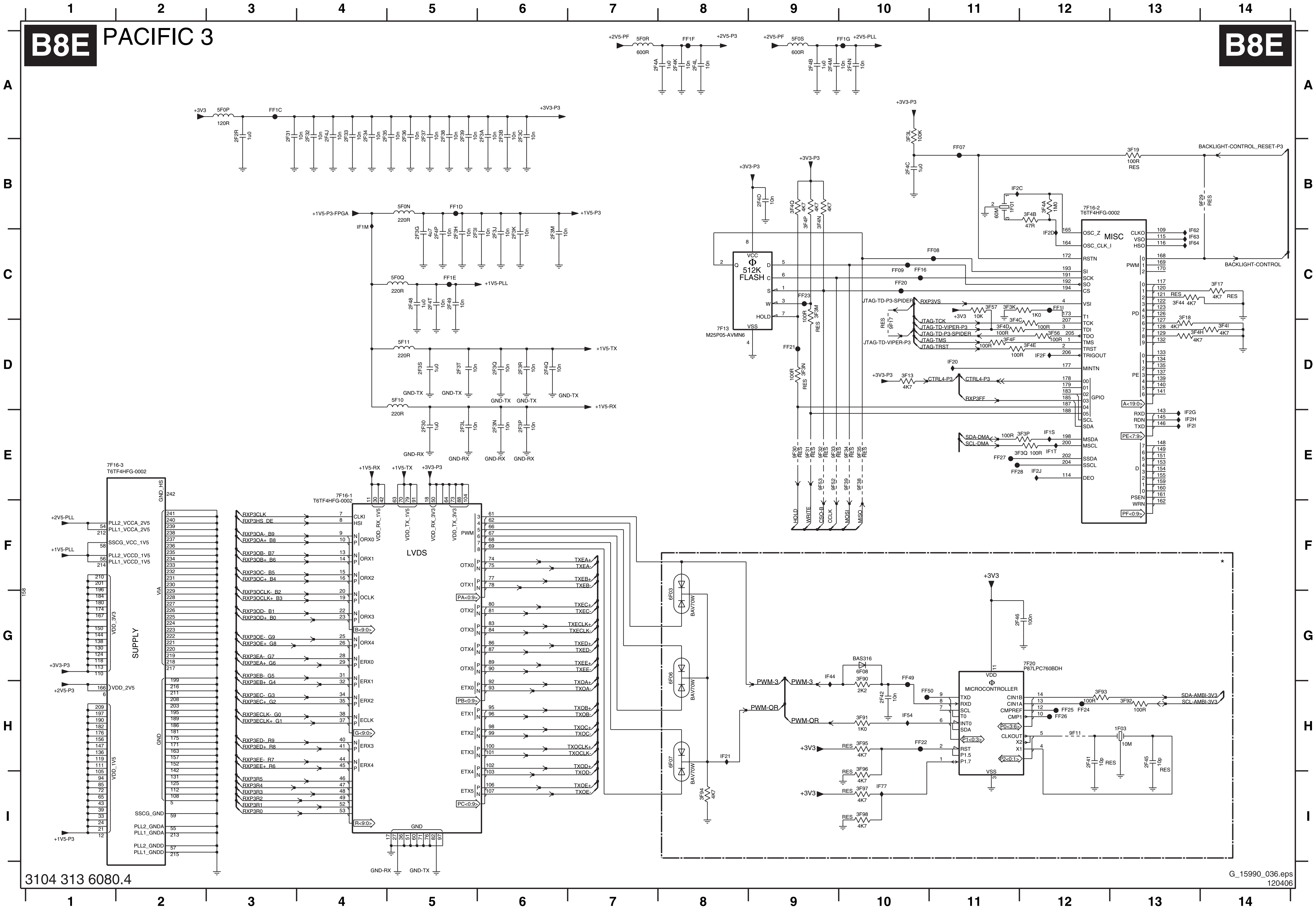
| | |
|---|---|
| 2F2A | E5 |
| 2F2B | E3 |
| 2F2C | B10 |
| 2F2D | A10 |
| 2F2E | H5 |
| 2F2F | H5 |
| 2F2G | H5 |
| 2F2H | H5 |
| 2F2I | C5 |
| 2F2J | E5 |
| 2F2K | B12 |
| 2F2L | B12 |
| 2F2M | E13 |
| 2F2N | E12 |
| 2F2P | H12 |
| 2F2Q | I12 |
| 2F43 | H12 |
| 2F44 | G12 |
| 2F5D | D11 |
| 3F1W | D3 |
| 3F1Y | E3 |
| 3F1Z | E5 |
| 3F20 | H4 |
| 3F21 | E5 |
| 3F22 | E2 |
| 3F23 | B10 |
| 3F24 | B10 |
| 3F25 | G5 |
| 3F26 | H3 |
| 3F27 | G3 |
| 3F28 | G3 |
| 3F29 | G3 |
| 3F2A | G5 |
| 3F2B | G5 |
| 3F2C | G5 |
| 3F2D | D5 |
| 3F2E | D5 |
| 3F2F | G3 |
| 3F2G | H3 |
| 3F2H | H3 |
| 3F2I | F3 |
| 3F2J | F3 |
| 3F2K | H3 |
| 3F2L | H3 |
| 3F2M | I3 |
| 3F2N | I3 |
| 3F2Q | I3 |
| 3F2R | I4 |
| 3F2S | B12 |
| 3F2T | B11 |
| 3F2U | F3 |
| 3F2V | F4 |
| 3F2W | D11 |
| 3F2Y | D12 |
| 3F2Z | E14 |
| 3F30 | E13 |
| 3F31 | D12 |
| 3F32 | C11 |
| 3F33 | C11 |
| 3F34 | E12 |
| 3F35 | D12 |
| 3F36 | D13 |
| 3F37 | I13 |
| 3F38 | I13 |
| 3F39 | H12 |
| 3F3A | I12 |
| 3F3B | I12 |
| 3F3C | I12 |
| 3F4J | H13 |
| 3F4K | G13 |
| 3F4L | G12 |
| 3F4M | H12 |
| 3F4R | E10 |
| 3F58 | F11 |
| 3F59 | F12 |
| 3F64 | F10 |
| 5F0I | A9 |
| 5F0J | A9 |
| 5F0K | B5 |
| 5F0L | C5 |
| 5F0M | C5 |
| 5F0U | B5 |
| 5F0V | C5 |
| 6F01 | D5 |
| 6F02 | E3 |
| 6F04-1 | A11 |
| 6F04-2 | A12 |
| 7F05 | D4 |
| 7F06 | E4 |
| 7F07 | I4 |
| 7F08-1 | D14 |
| 7F08-2 | D13 |
| 7F09-1 | H13 |
| 7F09-2 | I13 |
| 7F10 | B9 |
| 7F11 | C11 |
| 7F12 | D12 |
| 7F21-1 | G13 |
| 7F21-2 | H13 |
| 7F25 | C3 |
| 7F58-1 | F11 |
| 7F58-2 | F12 |
| 7F64 | E12 |
| 9F18 | B8 |
| 9F21 | B8 |
| 9F2F | C9 |
| 9F2G | C9 |
| 9F2H | A10 |
| 9F2I | C3 |
| 9F2J | E13 |
| 9F2K | D11 |
| 9F2N | I1 |
| 9F2P | I1 |
| 9F2R | G13 |
| 9F2S | H13 |
| FF17 | G6 |
| FF18 | G6 |
| FF19 | G6 |
| FF1A | G6 |
| FF1B | C5 |
| IF07 | E3 |
| IF08 | D4 |
| IF09 | E5 |
| IF0A | E4 |
| IF0B | A9 |
| IF0C | B10 |
| IF0D | B11 |
| IF0E | A11 |
| IF0F | D5 |
| IF0G | F4 |
| IF0H | E3 |
| IF0S | B8 |
| IF0T | B8 |
| IF0U | I4 |
| IF0W | D6 |
| IF0Z | D13 |
| IF10 | D12 |
| IF11 | D11 |
| IF12 | D11 |
| IF13 | D13 |
| IF14 | E14 |
| IF15 | D11 |
| IF16 | D12 |
| IF17 | C11 |
| IF18 | H13 |
| IF1A | I1 |
| IF1B | I1 |
| IF1C | I1 |
| IF1D | I1 |
| IF2K | G13 |
| IF2L | G12 |
| IF2M | G13 |
| IF2N | H13 |
| IF2P | H12 |
| IF2Q | H13 |
| IF42 | F2 |
| IF43 | F2 |
| IF51 | I1 |
| IF55 | G1 |
| IF56 | H1 |
| IF57 | H1 |
| IF58 | H1 |
| IF59 | H1 |
| IF60 | I1 |
| IF65 | G1 |
| IF66 | G1 |
| IF67 | G1 |
| IF68 | G1 |

## SSB: Pacific 3


B8E
PACIFIC 3
B8E
7F13
M25P05-AVMN6
512K FLASH
7F16-2
T6TF4HFG-0002
MISC
7F16-1
T6TF4HFG-0002
LVDS
7F16-3
T6TF4HFG-0002
SUPPLY
7F20
P87LPC760BDH
MICROCONTROLLER
BACKLIGHT-CONTROL_RESET-P3
BACKLIGHT-CONTROL
SDA-AMBI-3V3
SCL-AMBI-3V3
PWM-3
PWM-OR
+3V3
+3V3-P3
+2V5-PF
+2V5-P3
+2V5-PLL
+1V5-P3-FPGA
+1V5-P3
+1V5-PLL
+1V5-TX
+1V5-RX
GND-TX
GND-RX
BAV70W
BAS316
3104 313 6080.4
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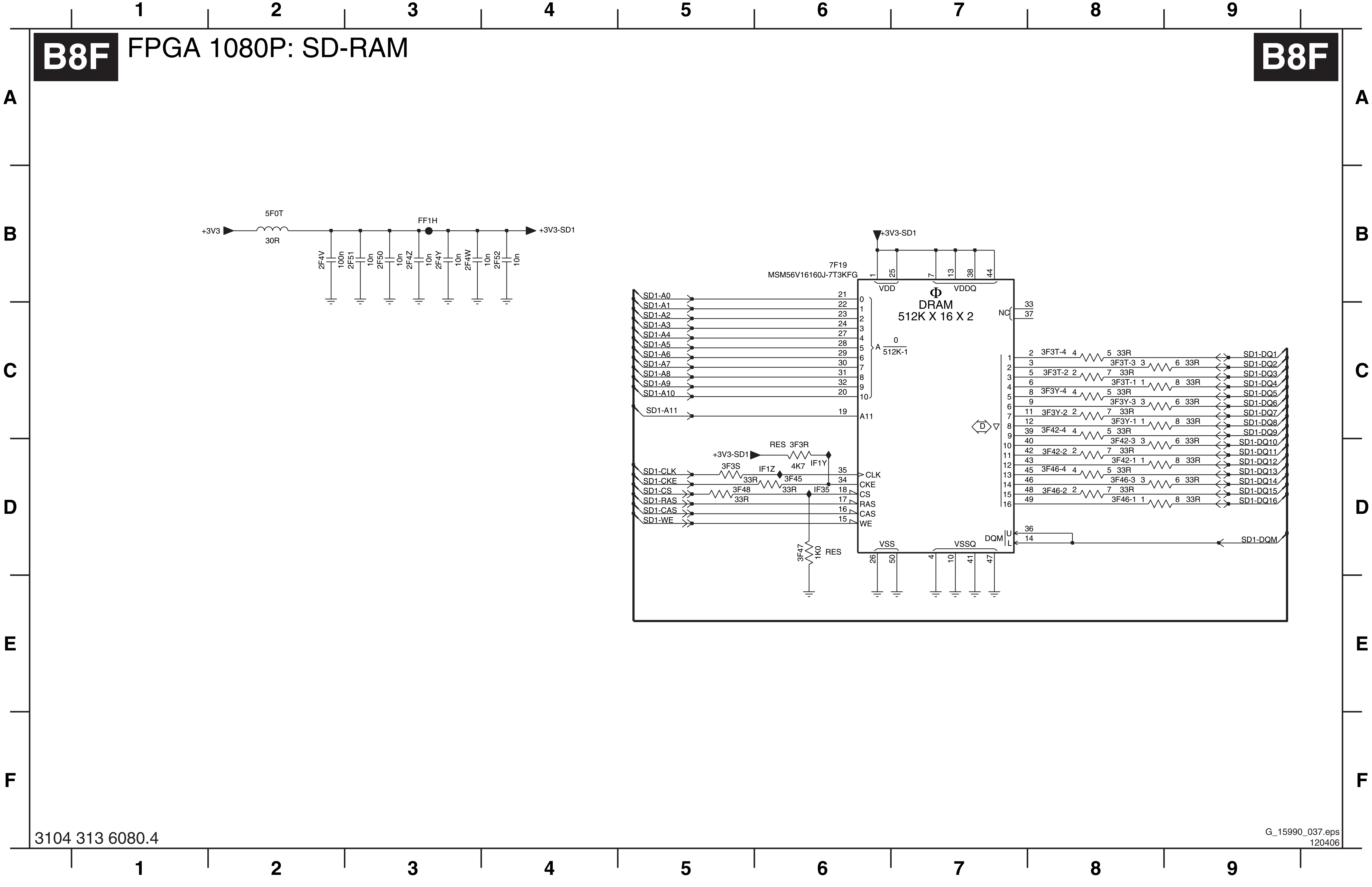
| | |
|---|---|
| 1F01 | B11 |
| 1F03 | H13 |
| 2F2R | A3 |
| 2F30 | E5 |
| 2F31 | A3 |
| 2F32 | A4 |
| 2F33 | A4 |
| 2F34 | A4 |
| 2F35 | A4 |
| 2F36 | A5 |
| 2F37 | A5 |
| 2F38 | A5 |
| 2F39 | A5 |
| 2F3A | A6 |
| 2F3B | A6 |
| 2F3C | A6 |
| 2F3G | C5 |
| 2F3H | C5 |
| 2F3I | C5 |
| 2F3J | C6 |
| 2F3K | C6 |
| 2F3L | E5 |
| 2F3M | C6 |
| 2F3N | E6 |
| 2F3P | E6 |
| 2F3Q | D6 |
| 2F3R | D6 |
| 2F3S | D5 |
| 2F3T | D5 |
| 2F41 | H12 |
| 2F42 | H10 |
| 2F45 | H13 |
| 2F46 | G11 |
| 2F48 | C5 |
| 2F49 | C5 |
| 2F4A | A7 |
| 2F4B | A9 |
| 2F4C | B10 |
| 2F4D | B9 |
| 2F4J | A4 |
| 2F4K | A8 |
| 2F4L | A8 |
| 2F4M | A9 |
| 2F4N | A10 |
| 2F4P | C5 |
| 2F4Q | D6 |
| 2F4T | C5 |
| 3F13 | D10 |
| 3F17 | C14 |
| 3F18 | C13 |
| 3F19 | B13 |
| 3F3K | C11 |
| 3F3L | A10 |
| 3F3M | C9 |
| 3F3N | D9 |
| 3F3P | E12 |
| 3F3Q | E12 |
| 3F44 | C13 |
| 3F4A | B12 |
| 3F4B | B12 |
| 3F4C | D11 |
| 3F4D | D11 |
| 3F4E | D12 |
| 3F4F | D11 |
| 3F4H | D13 |
| 3F4I | D14 |
| 3F4N | B9 |
| 3F4P | B9 |
| 3F4Q | B9 |
| 3F56 | D12 |
| 3F57 | C11 |
| 3F90 | G10 |
| 3F91 | H10 |
| 3F92 | H13 |
| 3F93 | H12 |
| 3F94 | I8 |
| 3F95 | H10 |
| 3F96 | H10 |
| 3F97 | I10 |
| 3F98 | I10 |
| 5F0N | B5 |
| 5F0P | A3 |
| 5F0Q | C5 |
| 5F0R | A7 |
| 5F0S | A9 |
| 5F10 | D5 |
| 5F11 | D5 |
| 6F03 | G8 |
| 6F06 | G8 |
| 6F07 | H8 |
| 6F08 | G10 |
| 7F13 | D8 |
| 7F16-1 | E4 |
| 7F16-2 | B12 |
| 7F16-3 | E1 |
| 7F20 | G12 |
| 9F11 | H12 |
| 9F17 | D10 |
| 9F29 | B14 |
| 9F30 | E9 |
| 9F31 | E9 |
| 9F32 | E9 |
| 9F33 | E9 |
| 9F34 | E10 |
| 9F35 | E10 |
| 9F38 | E10 |
| 9F39 | E10 |
| 9F52 | E9 |
| 9F53 | E9 |
| FF07 | B11 |
| FF08 | C11 |
| FF09 | C10 |
| FF16 | C10 |
| FF1C | A3 |
| FF1D | B5 |
| FF1E | C5 |
| FF1F | A8 |
| FF1G | A10 |
| FF1I | C12 |
| FF20 | C10 |
| FF21 | D9 |
| FF22 | H10 |
| FF23 | C9 |
| FF24 | H12 |
| FF25 | H12 |
| FF26 | H12 |
| FF27 | E11 |
| FF28 | E11 |
| FF49 | G10 |
| FF50 | H10 |
| IF1M | B4 |
| IF1S | E12 |
| IF1T | E12 |
| IF20 | D11 |
| IF21 | H8 |
| IF2C | B11 |
| IF2D | C12 |
| IF2F | D12 |
| IF2G | E13 |
| IF2H | E13 |
| IF2I | E13 |
| IF2J | E12 |
| IF44 | G9 |
| IF54 | H10 |
| IF62 | C13 |
| IF63 | C13 |
| IF64 | C13 |
| IF77 | I10 |

## SSB: FPGA 1080P: SD-RAM


B8F
FPGA 1080P: SD-RAM
B8F
1 2 3 4 5 6 7 8 9
A B C D E F
+3V3
5F0T
30R
FF1H
+3V3-SD1
2F4V 100n
2F51 10n
2F50 10n
2F4Z 10n
2F4Y 10n
2F4W 10n
2F52 10n
+3V3-SD1
7F19
MSM56V16160J-7T3KFG
VDD
VDDQ
Φ
DRAM
512K X 16 X 2
NC
33
37
A
0
512K-1
A11
SD1-A0
SD1-A1
SD1-A2
SD1-A3
SD1-A4
SD1-A5
SD1-A6
SD1-A7
SD1-A8
SD1-A9
SD1-A10
SD1-A11
RES 3F3R
4K7
IF1Y
+3V3-SD1
3F3S
IF1Z
33R
3F45
3F48
33R
33R
IF35
SD1-CLK
SD1-CKE
SD1-CS
SD1-RAS
SD1-CAS
SD1-WE
CLK
CKE
CS
RAS
CAS
WE
3F47
1K0
RES
VSS
VSSQ
DQM
U
L
36
14
SD1-DQM
3F3T-4
3F3T-3
3F3T-2
3F3T-1
3F3Y-4
3F3Y-3
3F3Y-2
3F3Y-1
3F42-4
3F42-3
3F42-2
3F42-1
3F46-4
3F46-3
3F46-2
3F46-1
33R
D
SD1-DQ1
SD1-DQ2
SD1-DQ3
SD1-DQ4
SD1-DQ5
SD1-DQ6
SD1-DQ7
SD1-DQ8
SD1-DQ9
SD1-DQ10
SD1-DQ11
SD1-DQ12
SD1-DQ13
SD1-DQ14
SD1-DQ15
SD1-DQ16
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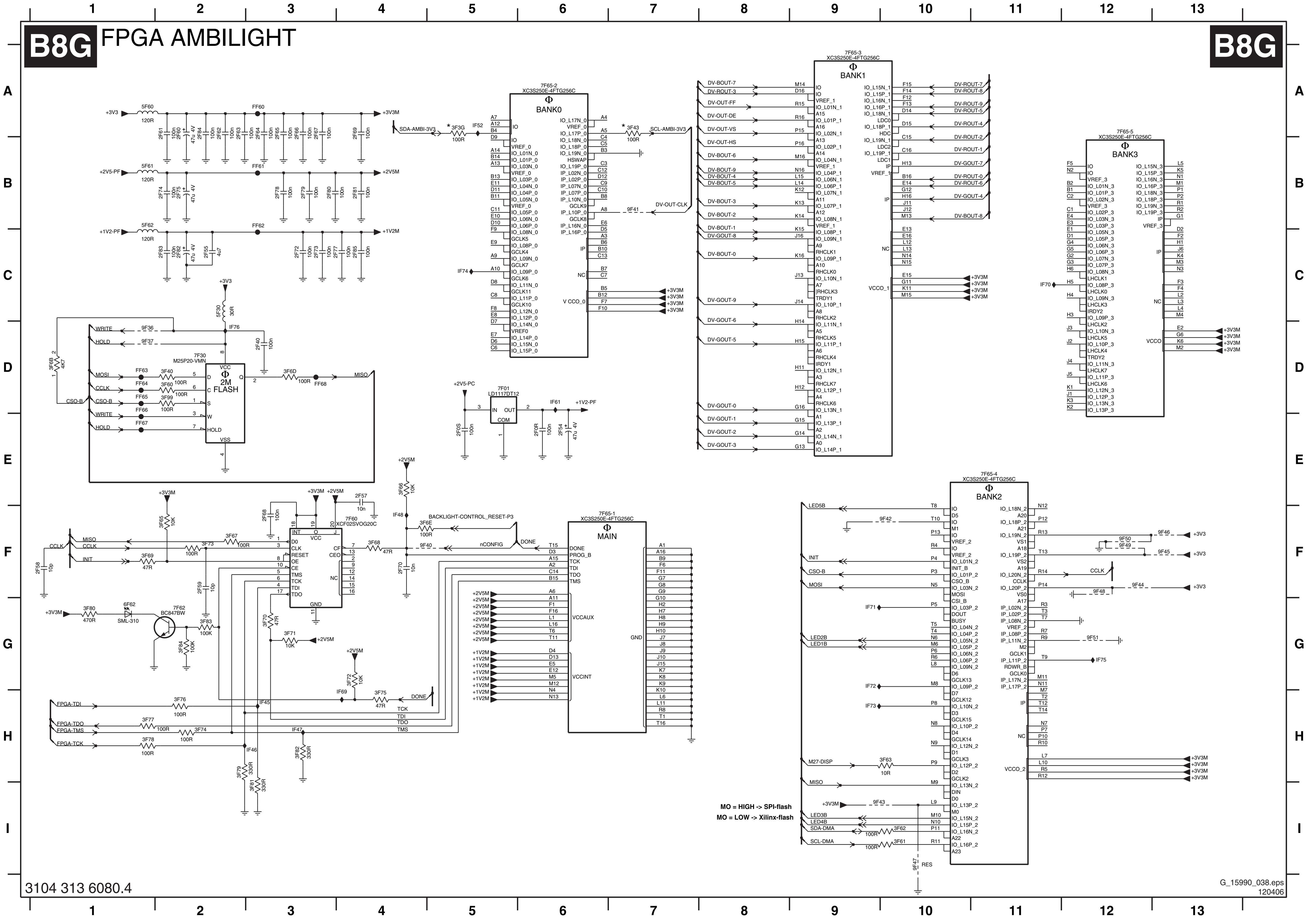
| | |
|---|---|
| 2F4V | B2 |
| 2F4W | B3 |
| 2F4Y | B3 |
| 2F4Z | B3 |
| 2F50 | B3 |
| 2F51 | B3 |
| 2F52 | B4 |
| 3F3R | D6 |
| 3F3S | D5 |
| 3F3T-1 | C8 |
| 3F3T-2 | C8 |
| 3F3T-3 | C8 |
| 3F3T-4 | C8 |
| 3F3Y-1 | C8 |
| 3F3Y-2 | C8 |
| 3F3Y-3 | C8 |
| 3F3Y-4 | C8 |
| 3F42-1 | D8 |
| 3F42-2 | D8 |
| 3F42-3 | D8 |
| 3F42-4 | C8 |
| 3F45 | D6 |
| 3F46-1 | D8 |
| 3F46-2 | D8 |
| 3F46-3 | D8 |
| 3F46-4 | D8 |
| 3F47 | D6 |
| 3F48 | D5 |
| 5F0T | B2 |
| 7F19 | B6 |
| FF1H | B3 |
| IF1Y | D6 |
| IF1Z | D6 |
| IF35 | D6 |

## SSB: FPGA Ambilight


B8G
FPGA AMBILIGHT
7F65-2 XC3S250E-4FTG256C BANK0
7F65-3 XC3S250E-4FTG256C BANK1
7F65-5 XC3S250E-4FTG256C BANK3
7F65-4 XC3S250E-4FTG256C BANK2
7F65-1 XC3S250E-4FTG256C MAIN
7F30 M25P20-VMN 2M FLASH
7F01 LD1117DT12
7F60 XCF02SVOG20C
7F62 BC847BW
6F62 SML-310
+3V3M
+2V5M
+1V2M
SDA-AMBI-3V3
SCL-AMBI-3V3
DV-OUT-CLK
BACKLIGHT-CONTROL_RESET-P3
FPGA-TDI
FPGA-TDO
FPGA-TMS
FPGA-TCK
MISO
MOSI
CCLK
INIT
DONE
LED5B
LED2B
LED1B
LED3B
LED4B
M27-DISP
SDA-DMA
SCL-DMA
RES
1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G H I

MO = HIGH -> SPI-flash
MO = LOW -> Xilinx-flash

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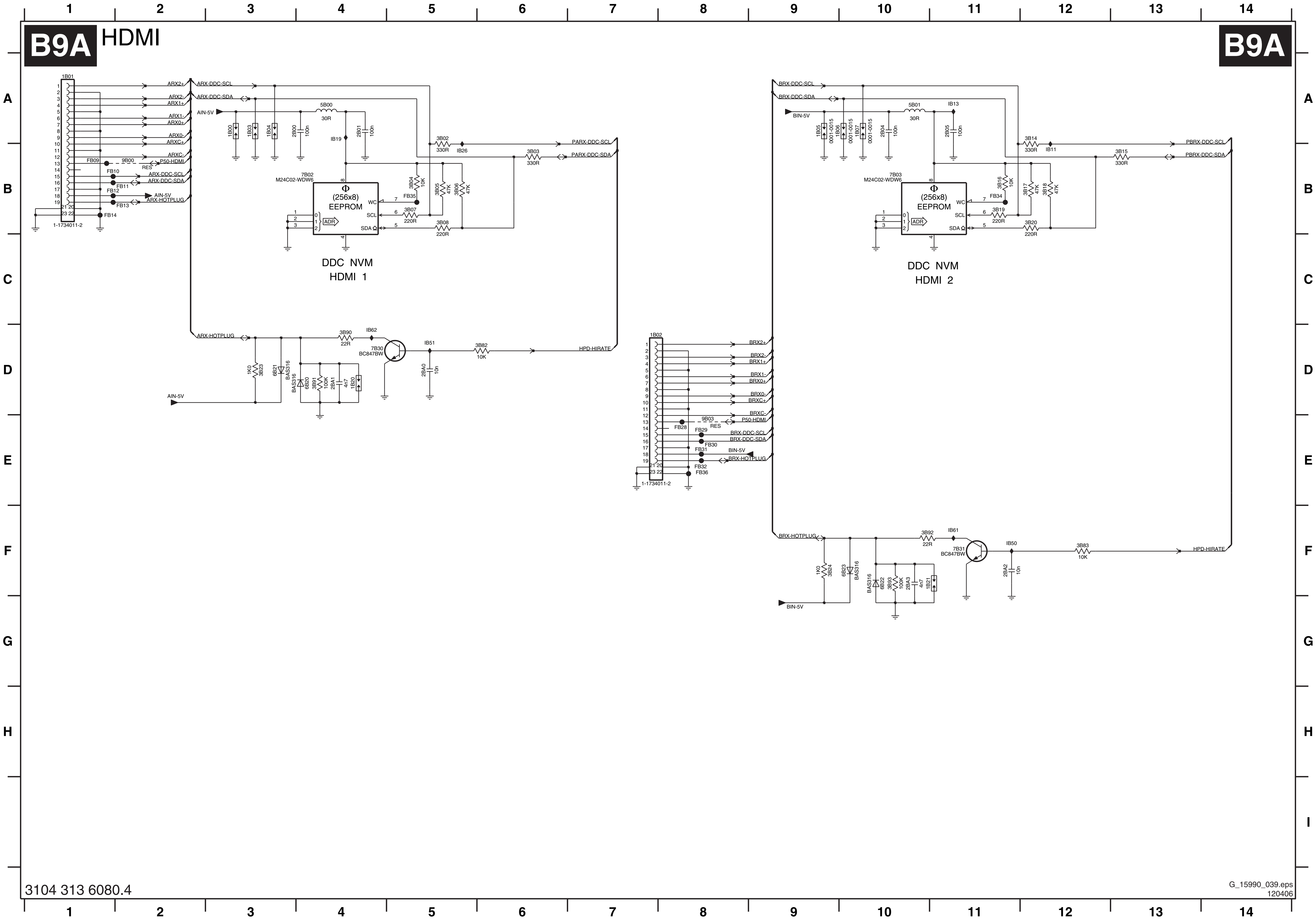
| | |
|---|---|
| 2F0R | E6 |
| 2F0S | E5 |
| 2F40 | D3 |
| 2F54 | E6 |
| 2F55 | C2 |
| 2F57 | E4 |
| 2F58 | F1 |
| 2F59 | F2 |
| 2F60 | A2 |
| 2F61 | A2 |
| 2F62 | A2 |
| 2F63 | A2 |
| 2F64 | A3 |
| 2F65 | A3 |
| 2F66 | A3 |
| 2F67 | A3 |
| 2F68 | F3 |
| 2F69 | A4 |
| 2F70 | F4 |
| 2F72 | C3 |
| 2F73 | C3 |
| 2F74 | B2 |
| 2F75 | B2 |
| 2F77 | C4 |
| 2F78 | B3 |
| 2F79 | B3 |
| 2F80 | B3 |
| 2F81 | B4 |
| 2F82 | C2 |
| 2F83 | C2 |
| 2F84 | A2 |
| 2F85 | C4 |
| 3F3G | A5 |
| 3F40 | D2 |
| 3F43 | A7 |
| 3F60 | D2 |
| 3F61 | I10 |
| 3F62 | I10 |
| 3F63 | H10 |
| 3F65 | F2 |
| 3F66 | E4 |
| 3F67 | F2 |
| 3F68 | F4 |
| 3F69 | F1 |
| 3F6B | D1 |
| 3F6D | D3 |
| 3F6E | F4 |
| 3F70 | G3 |
| 3F71 | G3 |
| 3F72 | G4 |
| 3F73 | F2 |
| 3F74 | H2 |
| 3F75 | H4 |
| 3F76 | H2 |
| 3F77 | H1 |
| 3F78 | H1 |
| 3F79 | H2 |
| 3F80 | G1 |
| 3F81 | I3 |
| 3F82 | H3 |
| 3F83 | G2 |
| 3F84 | G2 |
| 3F99 | D2 |
| 5F30 | C2 |
| 5F60 | A1 |
| 5F61 | B1 |
| 5F62 | B1 |
| 6F62 | G1 |
| 7F01 | D5 |
| 7F30 | D2 |
| 7F60 | F4 |
| 7F62 | G2 |
| 7F65-1 | F6 |
| 7F65-2 | A6 |
| 7F65-3 | A9 |
| 7F65-4 | E11 |
| 7F65-5 | A12 |
| 9F36 | D1 |
| 9F37 | D1 |
| 9F40 | F4 |
| 9F41 | B7 |
| 9F42 | F10 |
| 9F43 | I9 |
| 9F44 | F12 |
| 9F45 | F13 |
| 9F46 | F13 |
| 9F47 | I10 |
| 9F48 | F12 |
| 9F49 | F12 |
| 9F50 | F12 |
| 9F51 | G12 |
| FF60 | A3 |
| FF61 | B3 |
| FF62 | B3 |
| FF63 | D1 |
| FF64 | D1 |
| FF65 | D1 |
| FF66 | D1 |
| FF67 | E1 |
| FF68 | D3 |
| IF45 | H3 |
| IF46 | H3 |
| IF47 | H3 |
| IF48 | F4 |
| IF52 | A5 |
| IF61 | D6 |
| IF69 | H4 |
| IF70 | C11 |
| IF71 | G9 |
| IF72 | G9 |
| IF73 | H9 |
| IF74 | C5 |
| IF75 | G12 |
| IF76 | D2 |

## SSB: HDMI


B9A
HDMI
B9A
1B01
1-1734011-2
ARX2+
ARX2-
ARX1+
ARX1-
ARX0+
ARX0-
ARXC+
ARXC-
FB09
9B00
RES
P50-HDMI
FB10
ARX-DDC-SCL
ARX-DDC-SDA
FB11
FB12
AIN-5V
ARX-HOTPLUG
FB13
FB14
ARX-DDC-SCL
ARX-DDC-SDA
AIN-5V
1B00
1B03
1B04
2B00
100n
5B00
30R
IB19
2B01
100n
3B02
330R
IB26
PARX-DDC-SCL
3B03
330R
PARX-DDC-SDA
7B02
M24C02-WDW6
Φ
(256x8)
EEPROM
WC
SCL
SDA
ADR
3B04
10K
3B05
47K
3B06
47K
FB35
3B07
220R
3B08
220R
DDC NVM
HDMI 1
ARX-HOTPLUG
3B90
22R
IB62
7B30
BC847BW
IB51
3B82
10K
HPD-HIRATE
1K0
3B23
6B21
BAS316
BAS316
6B20
3B91
100K
2BA1
4n7
1B20
2BA0
10n
AIN-5V
1B02
1-1734011-2
BRX2+
BRX2-
BRX1+
BRX1-
BRX0+
BRX0-
BRXC+
BRXC-
9B03
RES
P50-HDMI
FB28
FB29
BRX-DDC-SCL
BRX-DDC-SDA
FB30
FB31
BIN-5V
BRX-HOTPLUG
FB32
FB36
BRX-DDC-SCL
BRX-DDC-SDA
BIN-5V
1B05
0001-0015
1B06
0001-0015
1B07
0001-0015
2B04
100n
5B01
30R
IB13
2B05
100n
3B14
330R
IB11
PBRX-DDC-SCL
3B15
330R
PBRX-DDC-SDA
7B03
M24C02-WDW6
Φ
(256x8)
EEPROM
WC
SCL
SDA
ADR
3B16
10K
3B17
47K
3B18
47K
FB34
3B19
220R
3B20
220R
DDC NVM
HDMI 2
BRX-HOTPLUG
3B92
22R
IB61
7B31
BC847BW
IB50
3B83
10K
HPD-HIRATE
1K0
3B24
6B23
BAS316
BAS316
6B22
3B93
100K
2BA3
4n7
1B21
2BA2
10n
BIN-5V
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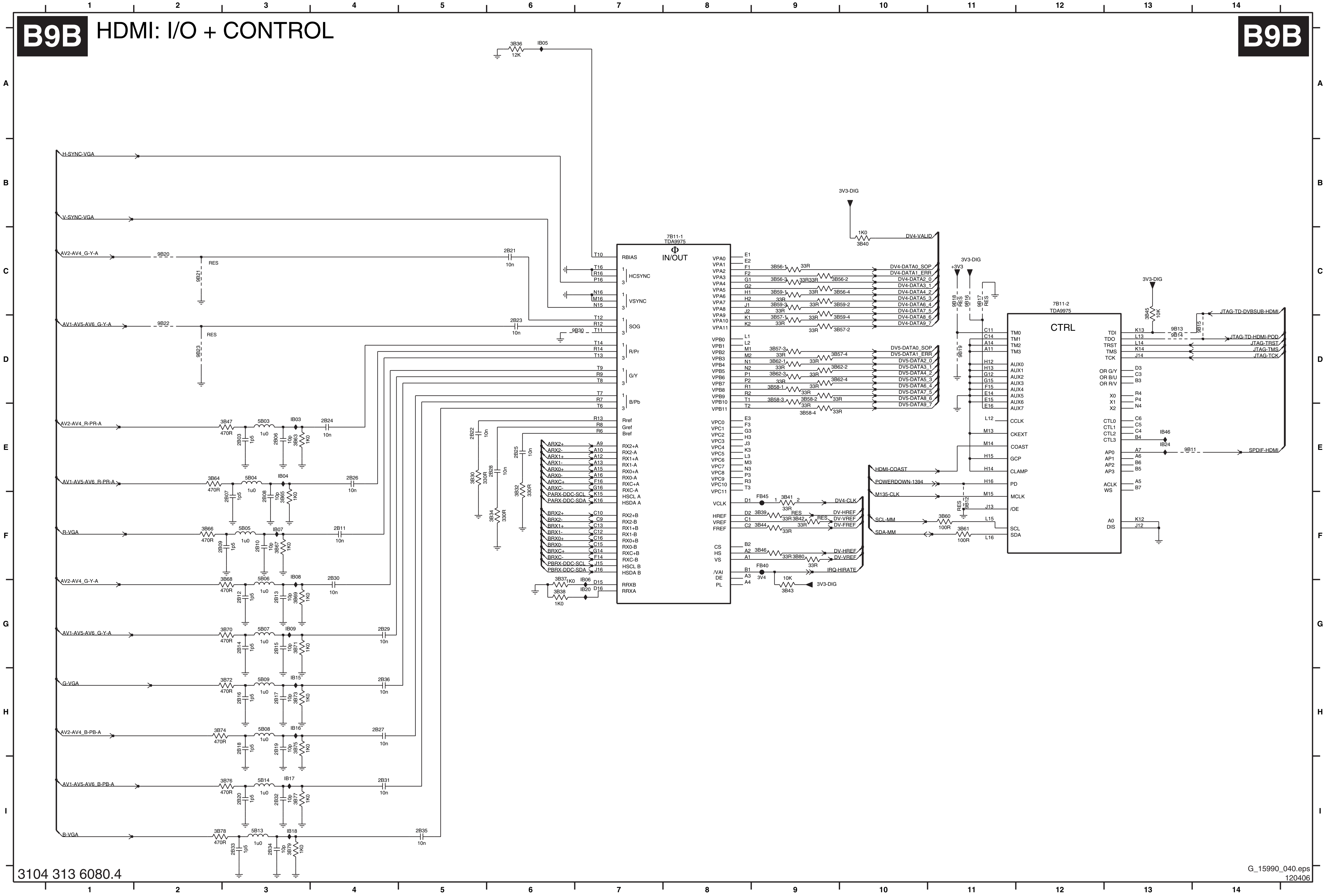
| | |
|---|---|
| 1B00 | A3 |
| 1B01 | A1 |
| 1B02 | D7 |
| 1B03 | A3 |
| 1B04 | A3 |
| 1B05 | A9 |
| 1B06 | A10 |
| 1B07 | A10 |
| 1B20 | D4 |
| 1B21 | F11 |
| 2B00 | A3 |
| 2B01 | A4 |
| 2B04 | A10 |
| 2B05 | A11 |
| 2BA0 | D5 |
| 2BA1 | D4 |
| 2BA2 | F11 |
| 2BA3 | F10 |
| 3B02 | A5 |
| 3B03 | B6 |
| 3B04 | B5 |
| 3B05 | B5 |
| 3B06 | B5 |
| 3B07 | B5 |
| 3B08 | B5 |
| 3B14 | A12 |
| 3B15 | B13 |
| 3B16 | B11 |
| 3B17 | B12 |
| 3B18 | B12 |
| 3B19 | B11 |
| 3B20 | B12 |
| 3B23 | D3 |
| 3B24 | F9 |
| 3B82 | D6 |
| 3B83 | F12 |
| 3B90 | D4 |
| 3B91 | D4 |
| 3B92 | F10 |
| 3B93 | F10 |
| 5B00 | A4 |
| 5B01 | A10 |
| 6B20 | D4 |
| 6B21 | D3 |
| 6B22 | F10 |
| 6B23 | F10 |
| 7B02 | B4 |
| 7B03 | B10 |
| 7B30 | D4 |
| 7B31 | F11 |
| 9B00 | B2 |
| 9B03 | E8 |
| FB09 | B1 |
| FB10 | B1 |
| FB11 | B2 |
| FB12 | B1 |
| FB13 | B2 |
| FB14 | B1 |
| FB28 | E8 |
| FB29 | E8 |
| FB30 | E8 |
| FB31 | E8 |
| FB32 | E8 |
| FB34 | B11 |
| FB35 | B5 |
| FB36 | E8 |
| IB11 | B12 |
| IB13 | A11 |
| IB19 | A4 |
| IB26 | B5 |
| IB50 | F11 |
| IB51 | D5 |
| IB61 | F11 |
| IB62 | D4 |

## SSB: HDMI: I/O Control


B9B
HDMI: I/O + CONTROL
B9B
7B11-1
TDA9975
Φ
IN/OUT
7B11-2
TDA9975
CTRL
H-SYNC-VGA
V-SYNC-VGA
AV2-AV4_G-Y-A
AV1-AV5-AV6_G-Y-A
AV2-AV4_R-PR-A
AV1-AV5-AV6_R-PR-A
R-VGA
AV2-AV4_G-Y-A
AV1-AV5-AV6_G-Y-A
G-VGA
AV2-AV4_B-PB-A
AV1-AV5-AV6_B-PB-A
B-VGA
RBIAS
HCSYNC
VSYNC
SOG
R/Pr
G/Y
B/Pb
Rref
Gref
Bref
3V3-DIG
+3V3
DV4-VALID
DV4-DATA0_SOP
DV4-DATA1_ERR
DV5-DATA0_SOP
DV5-DATA1_ERR
DV4-CLK
DV-HREF
DV-VREF
DV-FREF
IRQ-HIRATE
HDMI-COAST
POWERDOWN-1394
M135-CLK
SCL-MM
SDA-MM
JTAG-TD-DVBSUB-HDMI
JTAG-TD-HDMI-POD
JTAG-TRST
JTAG-TMS
JTAG-TCK
SPDIF-HDMI
ARX2+
ARX2-
ARX1+
ARX1-
ARX0+
ARX0-
ARXC+
ARXC-
PARX-DDC-SCL
PARX-DDC-SDA
BRX2+
BRX2-
BRX1+
BRX1-
BRX0+
BRX0-
BRXC+
BRXC-
PBRX-DDC-SCL
PBRX-DDC-SDA
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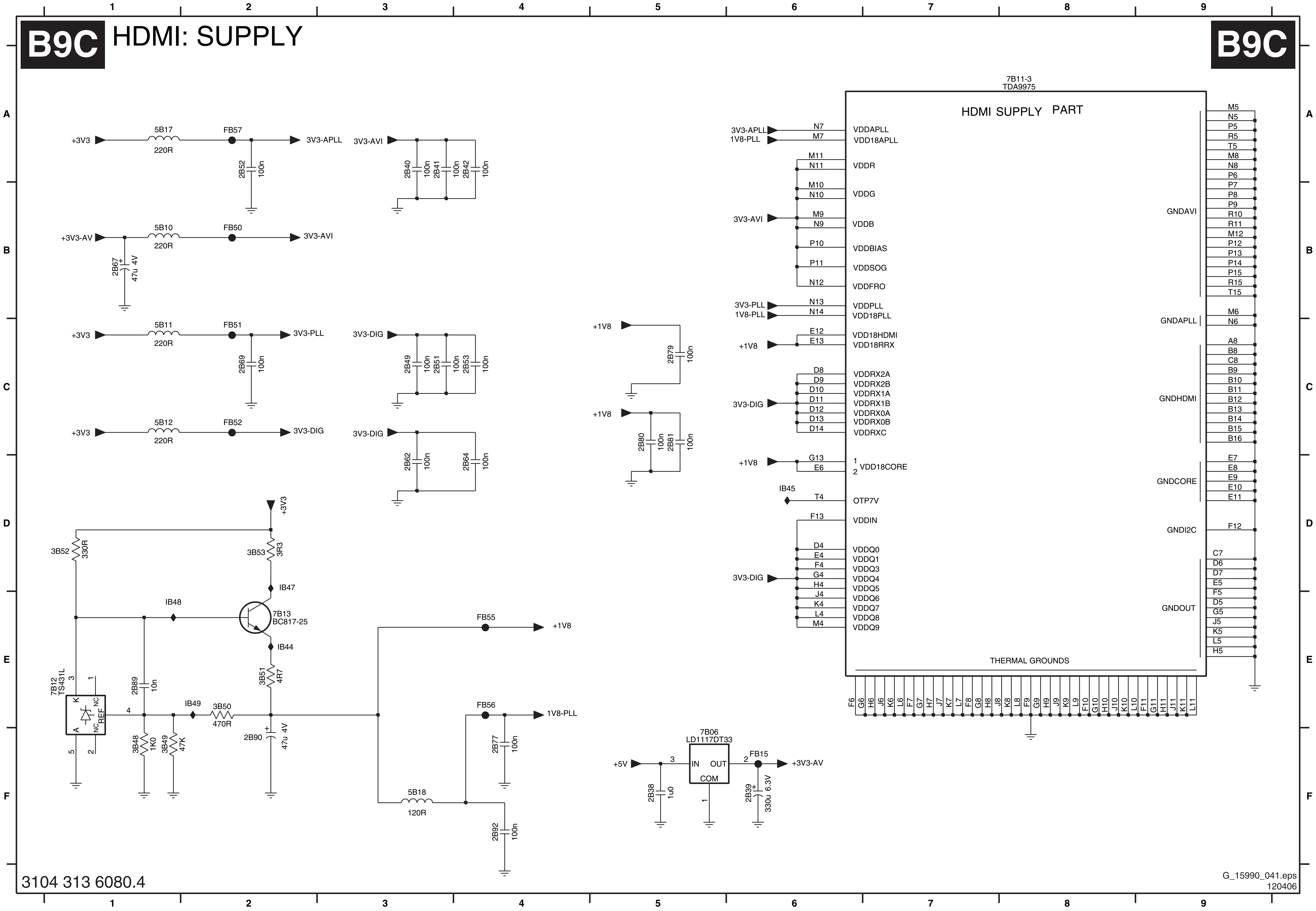
|  |  |
|---|---|
| 2B03 | E3 |
| 2B06 | E3 |
| 2B07 | F3 |
| 2B08 | F3 |
| 2B09 | F2 |
| 2B10 | F3 |
| 2B11 | F4 |
| 2B12 | G3 |
| 2B13 | G3 |
| 2B14 | G3 |
| 2B15 | G3 |
| 2B16 | H3 |
| 2B17 | H3 |
| 2B18 | H3 |
| 2B19 | H3 |
| 2B20 | I3 |
| 2B21 | C6 |
| 2B22 | E5 |
| 2B23 | D6 |
| 2B24 | E4 |
| 2B25 | E6 |
| 2B26 | E4 |
| 2B27 | H4 |
| 2B28 | E6 |
| 2B29 | G4 |
| 2B30 | G4 |
| 2B31 | I4 |
| 2B32 | I3 |
| 2B33 | I3 |
| 2B34 | I3 |
| 2B35 | I5 |
| 2B36 | H4 |
| 3B30 | E5 |
| 3B32 | E6 |
| 3B34 | F6 |
| 3B36 | A6 |
| 3B37 | G6 |
| 3B38 | G6 |
| 3B39 | F9 |
| 3B40 | C10 |
| 3B41 | F9 |
| 3B42 | F9 |
| 3B43 | G9 |
| 3B44 | F9 |
| 3B45 | C13 |
| 3B46 | F9 |
| 3B47 | E3 |
| 3B56-1 | C9 |
| 3B56-2 | C10 |
| 3B56-3 | C9 |
| 3B56-4 | C10 |
| 3B57-1 | D9 |
| 3B57-2 | D10 |
| 3B57-3 | D9 |
| 3B57-4 | D9 |
| 3B58-1 | D9 |
| 3B58-2 | D9 |
| 3B58-3 | D9 |
| 3B58-4 | E9 |
| 3B59-1 | C9 |
| 3B59-2 | C10 |
| 3B59-3 | C9 |
| 3B59-4 | D10 |
| 3B60 | F11 |
| 3B61 | F11 |
| 3B62-1 | D9 |
| 3B62-2 | D9 |
| 3B62-3 | D9 |
| 3B62-4 | D9 |
| 3B63 | E3 |
| 3B64 | E2 |
| 3B65 | F3 |
| 3B66 | F2 |
| 3B67 | F3 |
| 3B68 | G3 |
| 3B69 | G3 |
| 3B70 | G3 |
| 3B71 | G3 |
| 3B72 | H3 |
| 3B73 | H3 |
| 3B74 | H2 |
| 3B75 | H3 |
| 3B76 | I3 |
| 3B77 | I3 |
| 3B78 | I2 |
| 3B79 | I3 |
| 3B80 | F9 |
| 5B03 | E3 |
| 5B04 | E3 |
| 5B05 | F3 |
| 5B06 | G3 |
| 5B07 | G3 |
| 5B08 | H3 |
| 5B09 | H3 |
| 5B13 | I3 |
| 5B14 | I3 |
| 7B11-1 | C8 |
| 7B11-2 | C12 |
| 9B11 | E13 |
| 9B12 | F11 |
| 9B13 | D13 |
| 9B14 | D13 |
| 9B15 | D14 |
| 9B16 | C11 |
| 9B17 | C11 |
| 9B18 | C11 |
| 9B19 | D11 |
| 9B20 | C2 |
| 9B21 | C2 |
| 9B22 | D2 |
| 9B23 | D2 |
| 9B30 | D7 |
| FB40 | F9 |
| FB45 | F9 |
| IB03 | E3 |
| IB04 | E3 |
| IB05 | A6 |
| IB06 | F7 |
| IB07 | F3 |
| IB08 | F3 |
| IB09 | G3 |
| IB15 | H3 |
| IB16 | H3 |
| IB17 | I3 |
| IB18 | I3 |
| IB20 | G7 |
| IB24 | E13 |
| IB46 | E13 |

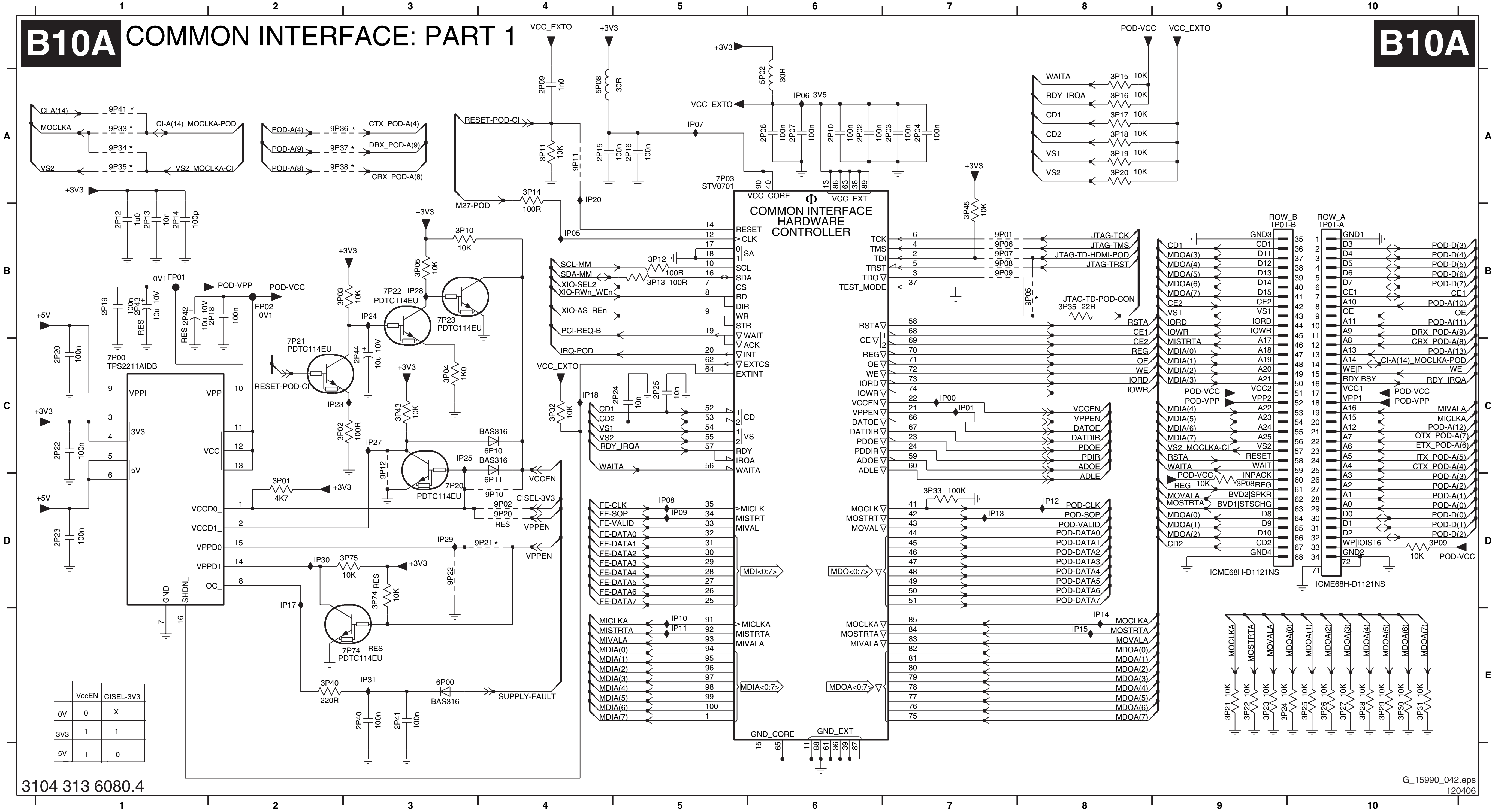
## SSB: HDMI: Supply


B9C
HDMI: SUPPLY
B9C
+3V3
5B17
220R
FB57
3V3-APLL
2B52
100n
3V3-AVI
2B40
100n
2B41
100n
2B42
100n
+3V3-AV
5B10
220R
FB50
3V3-AVI
2B67
47u 4V
+3V3
5B11
220R
FB51
3V3-PLL
2B69
100n
3V3-DIG
2B49
100n
2B51
100n
2B53
100n
+3V3
5B12
220R
FB52
3V3-DIG
3V3-DIG
2B62
100n
2B64
100n
+1V8
2B79
100n
+1V8
2B80
100n
2B81
100n
+3V3
3B52
330R
3B53
3R3
IB47
IB48
7B13
BC817-25
IB44
3B51
4R7
7B12
TS431L
K
A
REF
NC
NC
2B89
10n
IB49
3B50
470R
3B48
1K0
3B49
47K
2B90
47u 4V
FB55
+1V8
FB56
1V8-PLL
2B77
100n
5B18
120R
2B92
100n
7B06
LD1117DT33
IN
OUT
COM
+5V
2B38
1u0
FB15
+3V3-AV
2B39
330u 6.3V
7B11-3
TDA9975
HDMI SUPPLY PART
3V3-APLL
1V8-PLL
VDDAPLL
VDD18APLL
VDDR
VDDG
3V3-AVI
VDDB
VDDBIAS
VDDSOG
VDDFRO
3V3-PLL
1V8-PLL
VDDPLL
VDD18PLL
+1V8
VDD18HDMI
VDD18RRX
3V3-DIG
VDDRX2A
VDDRX2B
VDDRX1A
VDDRX1B
VDDRX0A
VDDRX0B
VDDRXC
+1V8
VDD18CORE
IB45
OTP7V
VDDIN
3V3-DIG
VDDQ0
VDDQ1
VDDQ3
VDDQ4
VDDQ5
VDDQ6
VDDQ7
VDDQ8
VDDQ9
GNDAVI
GNDAPLL
GNDHDMI
GNDCORE
GNDI2C
GNDOUT
THERMAL GROUNDS
N7
M7
M11
N11
M10
N10
M9
N9
P10
P11
N12
N13
N14
E12
E13
D8
D9
D10
D11
D12
D13
D14
G13
E6
T4
F13
D4
E4
F4
G4
H4
J4
K4
L4
M4
M5
N5
P5
R5
T5
M8
N8
P6
P7
P8
P9
R10
R11
M12
P12
P13
P14
P15
R15
T15
M6
N6
A8
B8
C8
B9
B10
B11
B12
B13
B14
B15
B16
E7
E8
E9
E10
E11
F12
C7
D6
D7
E5
F5
D5
G5
J5
K5
L5
H5
F6
G6
H6
J6
K6
L6
F7
G7
H7
J7
K7
L7
F8
G8
H8
J8
K8
L8
F9
G9
H9
J9
K9
L9
F10
G10
H10
J10
K10
L10
F11
G11
H11
J11
K11
L11
3104 313 6080.4
G_15990_041.eps
120406
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F

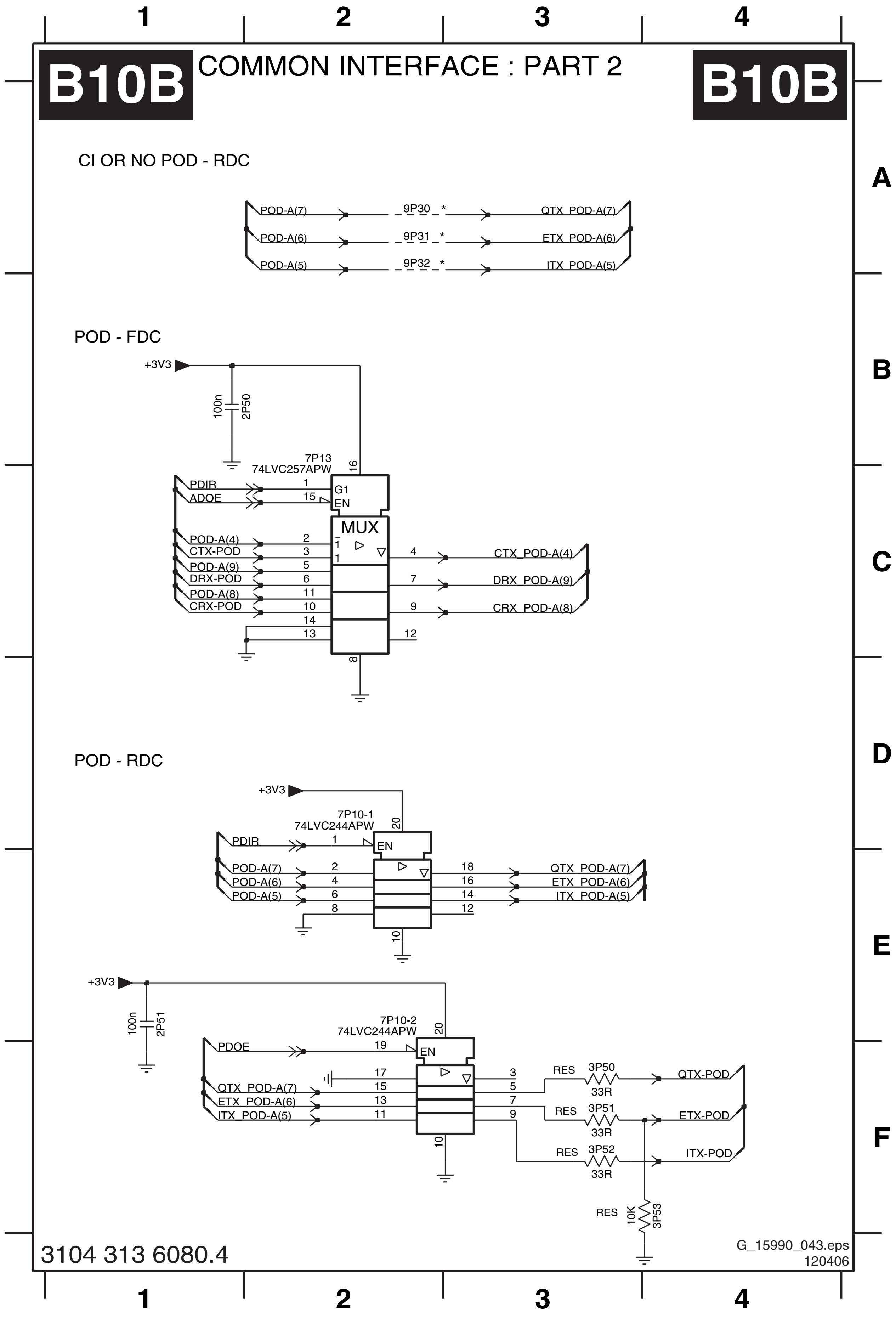
| | |
|---|---|
| 2B38 | F5 |
| 2B39 | F6 |
| 2B40 | A3 |
| 2B41 | A3 |
| 2B42 | A4 |
| 2B49 | C3 |
| 2B51 | C3 |
| 2B52 | A2 |
| 2B53 | C4 |
| 2B62 | D3 |
| 2B64 | D4 |
| 2B67 | B1 |
| 2B69 | C2 |
| 2B77 | F4 |
| 2B79 | C5 |
| 2B80 | C5 |
| 2B81 | C5 |
| 2B89 | E1 |
| 2B90 | F2 |
| 2B92 | F4 |
| 3B48 | F1 |
| 3B49 | F1 |
| 3B50 | E2 |
| 3B51 | E2 |
| 3B52 | D1 |
| 3B53 | D2 |
| 5B10 | B1 |
| 5B11 | C1 |
| 5B12 | C1 |
| 5B17 | A1 |
| 5B18 | F3 |
| 7B06 | F5 |
| 7B11-3 | A8 |
| 7B12 | E1 |
| 7B13 | E2 |
| FB15 | F6 |
| FB50 | B2 |
| FB51 | C2 |
| FB52 | C2 |
| FB55 | E4 |
| FB56 | E4 |
| FB57 | A2 |
| IB44 | E2 |
| IB45 | D6 |
| IB47 | D2 |
| IB48 | E1 |
| IB49 | E2 |

## SSB: Common Interface: Part 1

1P01-A B10
1P01-B B9
2P02 A6
2P03 A7
2P04 A7
2P06 A6
2P07 A6
2P09 A4
2P10 A6
2P12 B1
2P13 B1
2P14 B1
2P15 A4
2P16 A5
2P18 B2
2P19 B1
2P20 C1
2P22 C1
2P23 D1
2P24 C4
2P25 C5
2P40 E3
2P41 E3
2P42 B1
2P43 B1
2P44 C3
3P01 D2
3P02 C2
3P03 B2
3P04 C3
3P05 B3
3P08 D9
3P09 D10
3P10 B3
3P11 A4
3P12 B5
3P13 B5
3P14 A4
3P15 A8
3P16 A8
3P17 A8
3P18 A8
3P19 A8
3P20 A8
3P21 E9
3P22 E9
3P23 E9
3P24 E9
3P25 E10
3P26 E10
3P27 E10
3P28 E10
3P29 E10
3P30 E10
3P31 E10
3P32 C4
3P33 D7
3P35 B8
3P40 E2
3P43 C3
3P45 B7
3P74 D3
3P75 D3
5P02 A6
5P08 A4
6P00 E3
6P10 C4
6P11 D4
7P00 C1
7P03 A5
7P20 D3
7P21 C2
7P22 B3
7P23 B3
7P74 E3
9P01 B7
9P02 D4
9P05 B8
9P06 B7
9P07 B7
9P08 B7
9P09 B7
9P10 D4
9P11 A4
9P12 C3
9P20 D4
9P21 D4
9P22 D3
9P33 A1
9P34 A1
9P35 A1
9P36 A2
9P37 A2
9P38 A2
9P41 A1
FP01 B1
FP02 B2
IP00 C7
IP01 C7
IP05 B4
IP06 A6
IP07 A5
IP08 D5
IP09 D5
IP10 E5
IP11 E5
IP12 D8
IP13 D7
IP14 E8
IP15 E8
IP17 D2
IP18 C4
IP20 A4
IP23 C2
IP24 B3
IP25 C3
IP27 C3
IP28 B3
IP29 D3
IP30 D2
IP31 E3


B10A
COMMON INTERFACE: PART 1
B10A
1 2 3 4 5 6 7 8 9 10
A B C D E
VCC_EXTO
+3V3
POD-VCC
VCC_EXTO
2P09 1n0
5P08 30R
5P02 30R
IP06 3V5
IP07
VCC_EXTO
2P06 100n
2P07 100n
2P10 100n
2P02 100n
2P03 100n
2P04 100n
2P15 10n
2P16 100n
3P11 10K
9P11
IP20
CI-A(14)
MOCLKA
VS2
9P41 *
9P33 *
9P34 *
9P35 *
CI-A(14)_MOCLKA-POD
VS2_MOCLKA-CI
POD-A(4)
POD-A(9)
POD-A(8)
9P36 *
9P37 *
9P38 *
CTX_POD-A(4)
DRX_POD-A(9)
CRX_POD-A(8)
RESET-POD-CI
M27-POD
3P14 100R
IP05
2P12 1u0
2P13 10n
2P14 100p
7P03 STV0701
VCC_CORE
VCC_EXT
COMMON INTERFACE HARDWARE CONTROLLER
RESET
CLK
SA
SCL
SDA
CS
RD
DIR
WR
STR
WAIT
ACK
INT
EXTCS
EXTINT
SCL-MM
SDA-MM
XIO-SEL2
XIO-RWn_WEn
XIO-AS_REn
PCI-REQ-B
IRQ-POD
3P12 100R
3P13 100R
3P10 10K
3P05 10K
7P22 PDTC114EU
7P23 PDTC114EU
IP28
IP24
3P03 10K
2P44 10V 10u
3P04 1K0
7P21 PDTC114EU
RESET-POD-CI
IP23
3P02 100R
3P43 10K
IP27
IP25
BAS316
6P10
6P11
9P10
9P02
9P20
9P12
7P20 PDTC114EU
VCCEN
CISEL-3V3
RES
VPPEN
3P01 4K7
IP29
9P21 *
9P22
IP30
3P75 10K
3P74 RES 10K
IP17
7P74 PDTC114EU
RES
3P40 220R
IP31
6P00 BAS316
SUPPLY-FAULT
2P40 100n
2P41 100n
0V1 FP01
POD-VPP
POD-VCC
FP02 0V1
2P19
2P43 100n RES
10u 10V
2P42 RES
2P18 10u 10V
100n
+5V
2P20 100n
7P00 TPS2211AIDB
VPPI
VPP
3V3
5V
VCC
VCCD0_
VCCD1_
VPPD0
VPPD1
OC_
GND
SHDN_
2P22 100n
2P23 100n
VccEN
CISEL-3V3
0V 0 X
3V3 1 1
5V 1 0
VCC_EXTO
3P32 10K
IP18
2P24 10n
2P25 10n
CD1
CD2
VS1
VS2
RDY_IRQA
WAITA
CD
VS
RDY
IRQA
WAITA
FE-CLK
FE-SOP
FE-VALID
FE-DATA0
FE-DATA1
FE-DATA2
FE-DATA3
FE-DATA4
FE-DATA5
FE-DATA6
FE-DATA7
IP08
IP09
MICLK
MISTRT
MIVAL
MDI<0:7>
MICLKA
MISTRTA
MIVALA
MDIA(0)
MDIA(1)
MDIA(2)
MDIA(3)
MDIA(4)
MDIA(5)
MDIA(6)
MDIA(7)
IP10
IP11
MDIA<0:7>
GND_CORE
GND_EXT
TCK
TMS
TDI
TRST
TDO
TEST_MODE
3P45 10K
9P01
9P06
9P07
9P08
9P09
JTAG-TCK
JTAG-TMS
JTAG-TD-HDMI-POD
JTAG-TRST
9P05 *
JTAG-TD-POD-CON
3P35 22R
RSTA
CE
REG
OE
WE
IORD
IOWR
VCCEN
VPPEN
DATOE
DATDIR
PDOE
PDDIR
ADOE
ADLE
IP00
IP01
CE1
CE2
MOCLK
MOSTRT
MOVAL
3P33 100K
IP12
IP13
POD-CLK
POD-SOP
POD-VALID
POD-DATA0
POD-DATA1
POD-DATA2
POD-DATA3
POD-DATA4
POD-DATA5
POD-DATA6
POD-DATA7
MDO<0:7>
MOCLKA
MOSTRTA
MIVALA
IP14
IP15
MOVALA
MDOA(0)
MDOA(1)
MDOA(2)
MDOA(3)
MDOA(4)
MDOA(5)
MDOA(6)
MDOA(7)
MDOA<0:7>
WAITA
RDY_IRQA
CD1
CD2
VS1
VS2
3P15 10K
3P16 10K
3P17 10K
3P18 10K
3P19 10K
3P20 10K
ROW_B 1P01-B
ROW_A 1P01-A
GND3
GND1
D11
D12
D13
D14
D15
CE2
VS1
IORD
IOWR
A17
A18
A19
A20
A21
VCC2
VPP2
A22
A23
A24
A25
VS2
RESET
WAIT
INPACK
REG
BVD2|SPKR
BVD1|STSCHG
D8
D9
D10
CD2
GND4
D3
D4
D5
D6
D7
CE1
A10
OE
A11
A9
A8
A13
A14
WE|P
RDY|BSY
VCC1
VPP1
A16
A15
A12
A7
A6
A5
A4
A3
A2
A1
A0
D0
D1
D2
WP|IOIS16
GND2
ICME68H-D1121NS
ICME68H-D1121NS
POD-D(3)
POD-D(4)
POD-D(5)
POD-D(6)
POD-D(7)
CE1
POD-A(10)
OE
POD-A(11)
DRX_POD-A(9)
CRX_POD-A(8)
POD-A(13)
CI-A(14)_MOCLKA-POD
WE
RDY_IRQA
POD-VCC
POD-VPP
MIVALA
MICLKA
POD-A(12)
QTX_POD-A(7)
ETX_POD-A(6)
ITX_POD-A(5)
CTX_POD-A(4)
POD-A(3)
POD-A(2)
POD-A(1)
POD-A(0)
POD-D(0)
POD-D(1)
POD-D(2)
3P09 10K
POD-VCC
3P08 10K
VS2_MOCLKA-CI
MISTRTA
MOVALA
MOSTRTA
3P21 10K
3P22 10K
3P23 10K
3P24 10K
3P25 10K
3P26 10K
3P27 10K
3P28 10K
3P29 10K
3P30 10K
3P31 10K
MOCLKA
MOSTRTA
MOVALA
MDOA(0)
MDOA(1)
MDOA(2)
MDOA(3)
MDOA(4)
MDOA(5)
MDOA(6)
MDOA(7)
3104 313 6080.4
G_15990_042.eps
120406

## SSB: Common Interface: Part 2

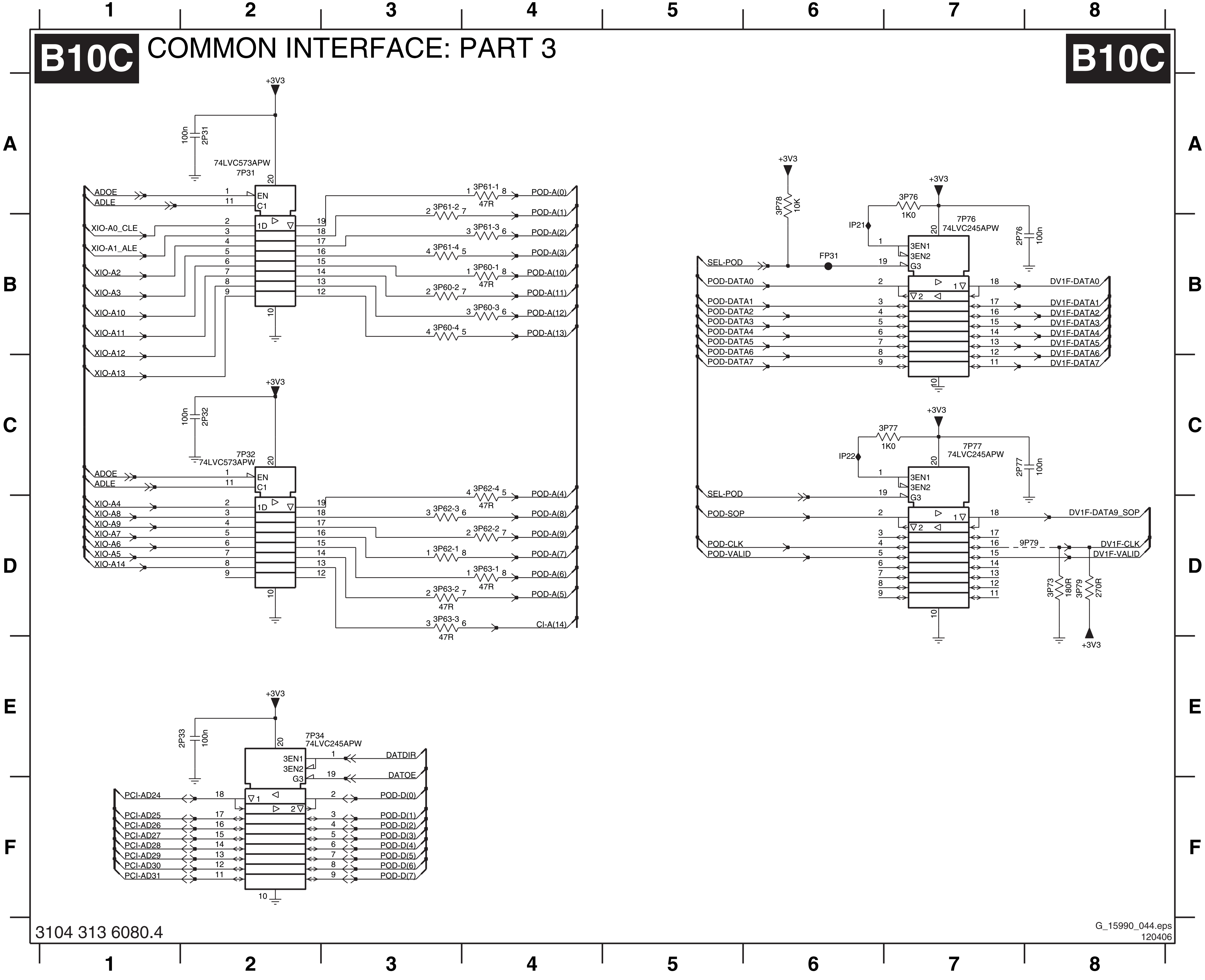

1
2
3
4
B10B
COMMON INTERFACE : PART 2
B10B
A
B
C
D
E
F
CI OR NO POD - RDC
POD-A(7)
POD-A(6)
POD-A(5)
9P30 *
9P31 *
9P32 *
QTX_POD-A(7)
ETX_POD-A(6)
ITX_POD-A(5)
POD - FDC
+3V3
100n
2P50
7P13
74LVC257APW
16
PDIR
ADOE
G1
EN
MUX
POD-A(4)
CTX-POD
POD-A(9)
DRX-POD
POD-A(8)
CRX-POD
CTX_POD-A(4)
DRX_POD-A(9)
CRX_POD-A(8)
8
POD - RDC
+3V3
7P10-1
74LVC244APW
20
PDIR
EN
POD-A(7)
POD-A(6)
POD-A(5)
QTX_POD-A(7)
ETX_POD-A(6)
ITX_POD-A(5)
10
+3V3
100n
2P51
7P10-2
74LVC244APW
20
PDOE
EN
QTX_POD-A(7)
ETX_POD-A(6)
ITX_POD-A(5)
10
RES
3P50
33R
QTX-POD
RES
3P51
33R
ETX-POD
RES
3P52
33R
ITX-POD
RES
10K
3P53
3104 313 6080.4
G_15990_043.eps
120406

| | |
|---|---|
| 2P50 | B1 |
| 2P51 | E1 |
| 3P50 | F3 |
| 3P51 | F3 |
| 3P52 | F3 |
| 3P53 | F4 |
| 7P10 | D2 |
| 7P10 | E2 |
| 7P13 | B2 |
| 9P30 | A2 |
| 9P31 | A2 |
| 9P32 | A2 |

***Personal Notes:***

E_06532_012.eps
131004

## SSB: Common Interface: Part 3


B10C
COMMON INTERFACE: PART 3
+3V3
100n
2P31
74LVC573APW
7P31
ADOE
ADLE
XIO-A0_CLE
XIO-A1_ALE
XIO-A2
XIO-A3
XIO-A10
XIO-A11
XIO-A12
XIO-A13
EN
C1
1D
3P61-1
3P61-2
3P61-3
3P61-4
3P60-1
3P60-2
3P60-3
3P60-4
47R
POD-A(0)
POD-A(1)
POD-A(2)
POD-A(3)
POD-A(10)
POD-A(11)
POD-A(12)
POD-A(13)
2P32
7P32
74LVC573APW
XIO-A4
XIO-A8
XIO-A9
XIO-A7
XIO-A6
XIO-A5
XIO-A14
3P62-4
3P62-3
3P62-2
3P62-1
3P63-1
3P63-2
3P63-3
POD-A(4)
POD-A(8)
POD-A(9)
POD-A(7)
POD-A(6)
POD-A(5)
CI-A(14)
2P33
7P34
74LVC245APW
3EN1
3EN2
G3
DATDIR
DATOE
PCI-AD24
PCI-AD25
PCI-AD26
PCI-AD27
PCI-AD28
PCI-AD29
PCI-AD30
PCI-AD31
POD-D(0)
POD-D(1)
POD-D(2)
POD-D(3)
POD-D(4)
POD-D(5)
POD-D(6)
POD-D(7)
3P78
10K
3P76
1K0
IP21
7P76
74LVC245APW
2P76
FP31
SEL-POD
POD-DATA0
POD-DATA1
POD-DATA2
POD-DATA3
POD-DATA4
POD-DATA5
POD-DATA6
POD-DATA7
DV1F-DATA0
DV1F-DATA1
DV1F-DATA2
DV1F-DATA3
DV1F-DATA4
DV1F-DATA5
DV1F-DATA6
DV1F-DATA7
3P77
IP22
7P77
2P77
POD-SOP
POD-CLK
POD-VALID
DV1F-DATA9_SOP
9P79
DV1F-CLK
DV1F-VALID
3P73
180R
3P79
270R
A
B
C
D
E
F
1
2
3
4
5
6
7
8

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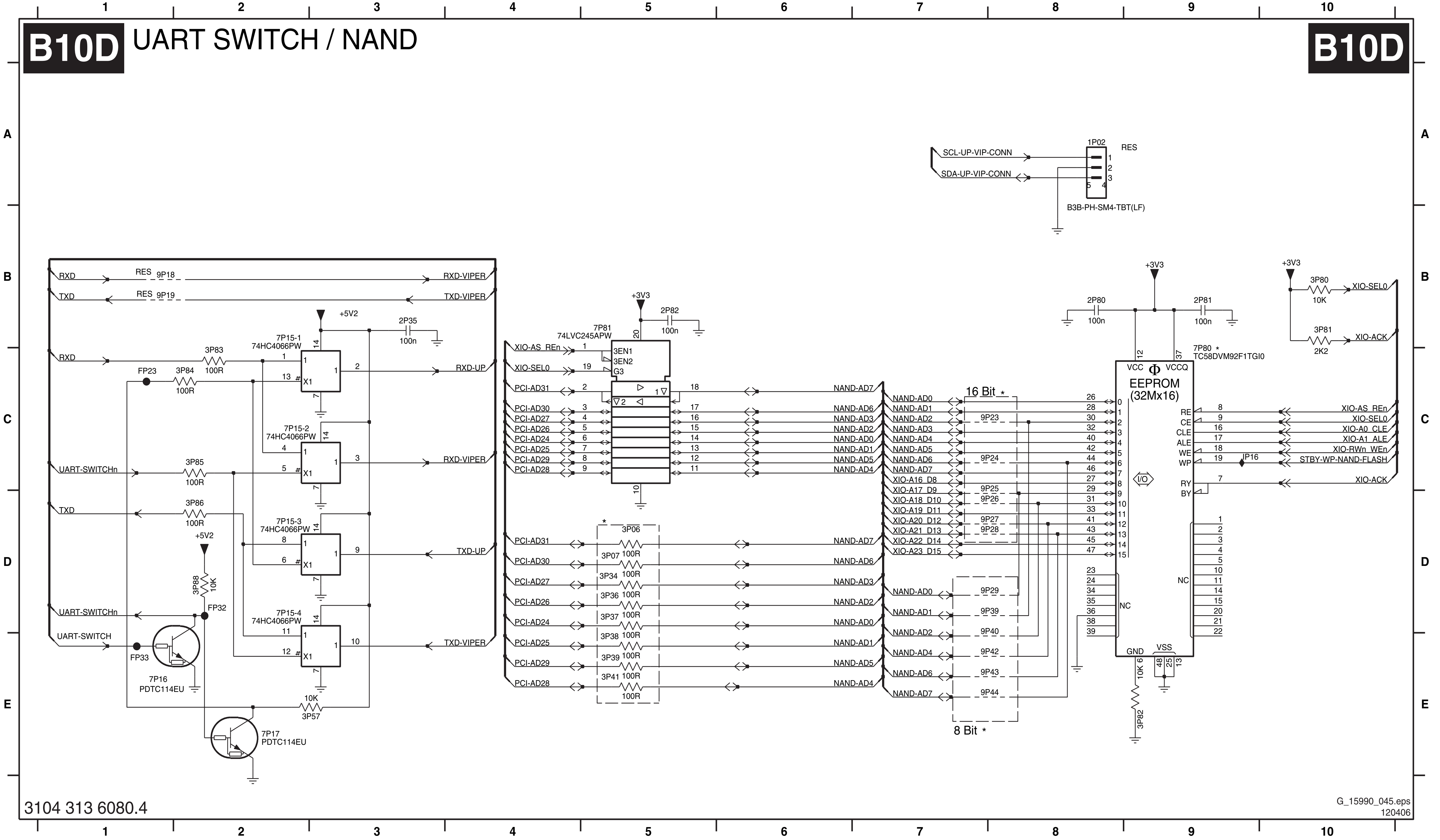
| | |
|---|---|
| 2P31 | A2 |
| 2P32 | C2 |
| 2P33 | E2 |
| 2P76 | B7 |
| 2P77 | C7 |
| 3P60-1 | B4 |
| 3P60-2 | B3 |
| 3P60-3 | B4 |
| 3P60-4 | B3 |
| 3P61-1 | A4 |
| 3P61-2 | A3 |
| 3P61-3 | B4 |
| 3P61-4 | B3 |
| 3P62-1 | D3 |
| 3P62-2 | D4 |
| 3P62-3 | D3 |
| 3P62-4 | C4 |
| 3P63-1 | D4 |
| 3P63-2 | D3 |
| 3P63-3 | D3 |
| 3P73 | D8 |
| 3P76 | A7 |
| 3P77 | C7 |
| 3P78 | A6 |
| 3P79 | D8 |
| 7P31 | A2 |
| 7P32 | C2 |
| 7P34 | E2 |
| 7P76 | B7 |
| 7P77 | C7 |
| 9P79 | D8 |
| FP31 | B6 |
| IP21 | B6 |
| IP22 | C6 |

## SSB: UART Switch / NAND

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1P02 A8 | 2P81 B9 | 3P07 D5 | 3P37 D5 | 3P41 E5 | 3P81 B10 | 3P84 C2 | 3P88 D2 | 7P15-3 D2 | 7P17 E2 | 9P18 B1 | 9P24 C8 | 9P27 D8 | 9P39 D8 | 9P43 E8 | FP32 D2 |
| 2P35 B3 | 2P82 B5 | 3P34 D5 | 3P38 E5 | 3P57 E3 | 3P82 E9 | 3P85 C2 | 7P15-1 B2 | 7P15-4 D2 | 7P80 C9 | 9P19 B1 | 9P25 D8 | 9P28 D8 | 9P40 E8 | 9P44 E8 | FP33 E1 |
| 2P80 B8 | 3P06 D5 | 3P36 D5 | 3P39 E5 | 3P80 B10 | 3P83 C2 | 3P86 D2 | 7P15-2 C2 | 7P16 E1 | 7P81 B5 | 9P23 C8 | 9P26 D8 | 9P29 D8 | 9P42 E8 | FP23 C1 | IP16 C9 |


B10D
UART SWITCH / NAND
B10D
1 2 3 4 5 6 7 8 9 10
A B C D E
SCL-UP-VIP-CONN
SDA-UP-VIP-CONN
1P02
RES
B3B-PH-SM4-TBT(LF)
RXD
TXD
RES 9P18
RES 9P19
RXD-VIPER
TXD-VIPER
+5V2
2P35 100n
7P15-1 74HC4066PW
3P83 100R
FP23
3P84 100R
RXD-UP
7P15-2 74HC4066PW
UART-SWITCHn
3P85 100R
RXD-VIPER
3P86 100R
7P15-3 74HC4066PW
TXD-UP
3P88 10K
FP32
7P15-4 74HC4066PW
UART-SWITCH
FP33
TXD-VIPER
7P16 PDTC114EU
10K 3P57
7P17 PDTC114EU
+3V3
2P82 100n
7P81 74LVC245APW
XIO-AS_REn
XIO-SEL0
3EN1 3EN2 G3
PCI-AD31
PCI-AD30
PCI-AD27
PCI-AD26
PCI-AD24
PCI-AD25
PCI-AD29
PCI-AD28
NAND-AD7
NAND-AD6
NAND-AD3
NAND-AD2
NAND-AD0
NAND-AD1
NAND-AD5
NAND-AD4
3P06
3P07 100R
3P34 100R
3P36 100R
3P37 100R
3P38 100R
3P39 100R
3P41 100R
16 Bit *
8 Bit *
9P23 9P24 9P25 9P26 9P27 9P28
9P29 9P39 9P40 9P42 9P43 9P44
XIO-A16 D8
XIO-A17 D9
XIO-A18 D10
XIO-A19 D11
XIO-A20 D12
XIO-A21 D13
XIO-A22 D14
XIO-A23 D15
2P80 100n
2P81 100n
7P80 * TC58DVM92F1TGI0
VCC VCCQ
EEPROM (32Mx16)
RE CE CLE ALE WE WP RY BY
NC
GND VSS
10K 3P82
+3V3
3P80 10K
3P81 2K2
XIO-SEL0
XIO-ACK
XIO-AS_REn
XIO-SEL0
XIO-A0_CLE
XIO-A1_ALE
XIO-RWn_WEn
IP16
STBY-WP-NAND-FLASH
XIO-ACK

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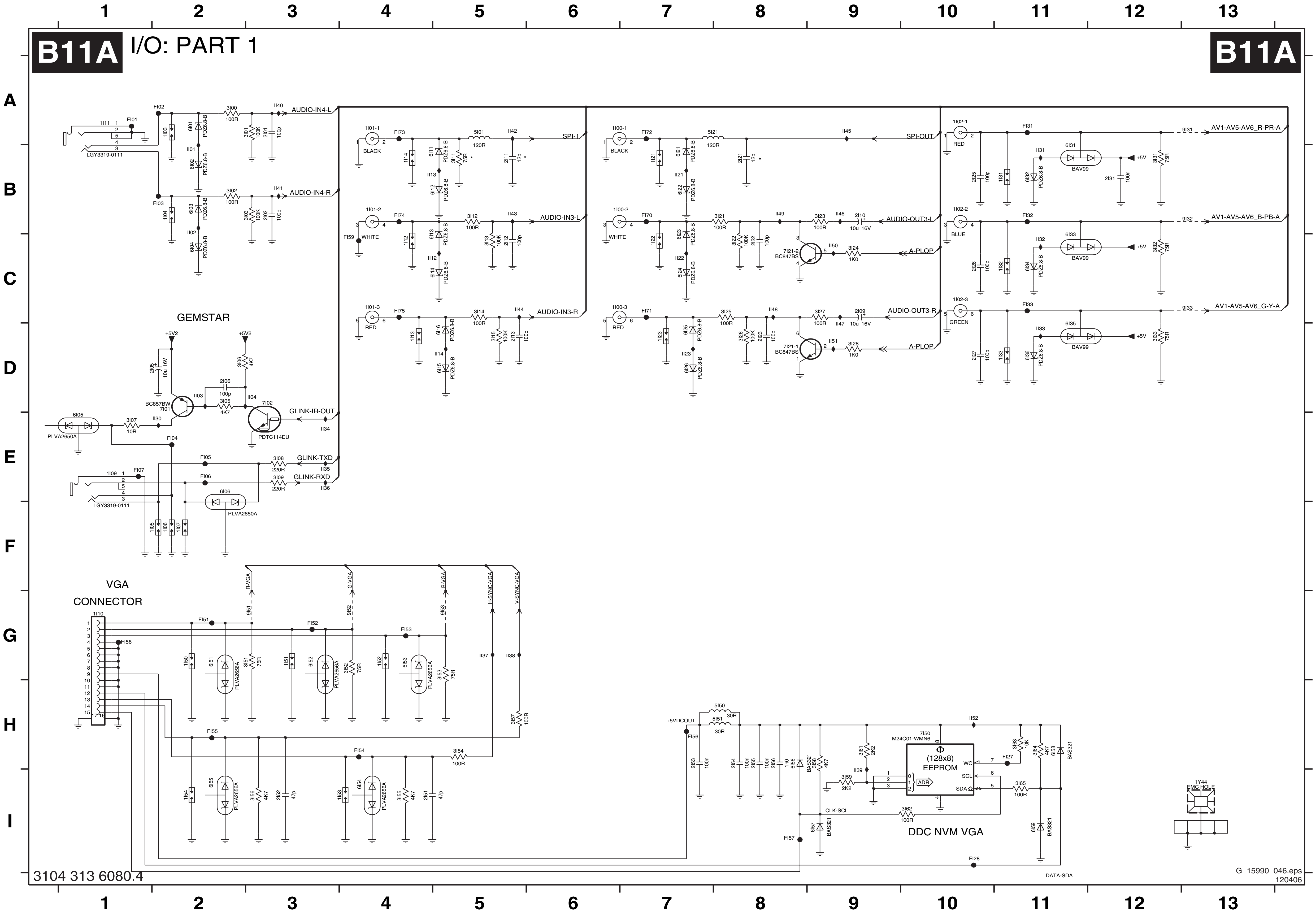
## SSB: I/O Part 1


B11A
I/O: PART 1
B11A
AUDIO-IN4-L
AUDIO-IN4-R
SPI-1
AUDIO-IN3-L
AUDIO-IN3-R
SPI-OUT
AUDIO-OUT3-L
A-PLOP
AUDIO-OUT3-R
A-PLOP
AV1-AV5-AV6_R-PR-A
AV1-AV5-AV6_B-PB-A
AV1-AV5-AV6_G-Y-A
GEMSTAR
+5V2
BC857BW
7I01
7I02
PDTC114EU
GLINK-IR-OUT
GLINK-TXD
GLINK-RXD
PLVA2650A
LGY3319-0111
BLACK
WHITE
RED
BLUE
GREEN
BAV99
BC847BS
+5V
VGA
CONNECTOR
R-VGA
G-VGA
B-VGA
H-SYNC-VGA
V-SYNC-VGA
PLVA2656A
+5VDCOUT
7I50
M24C01-WMN6
(128x8)
EEPROM
WC
SCL
SDA
ADR
BAS321
CLK-SCL
DATA-SDA
DDC NVM VGA
1Y44
EMC HOLE
3104 313 6080.4
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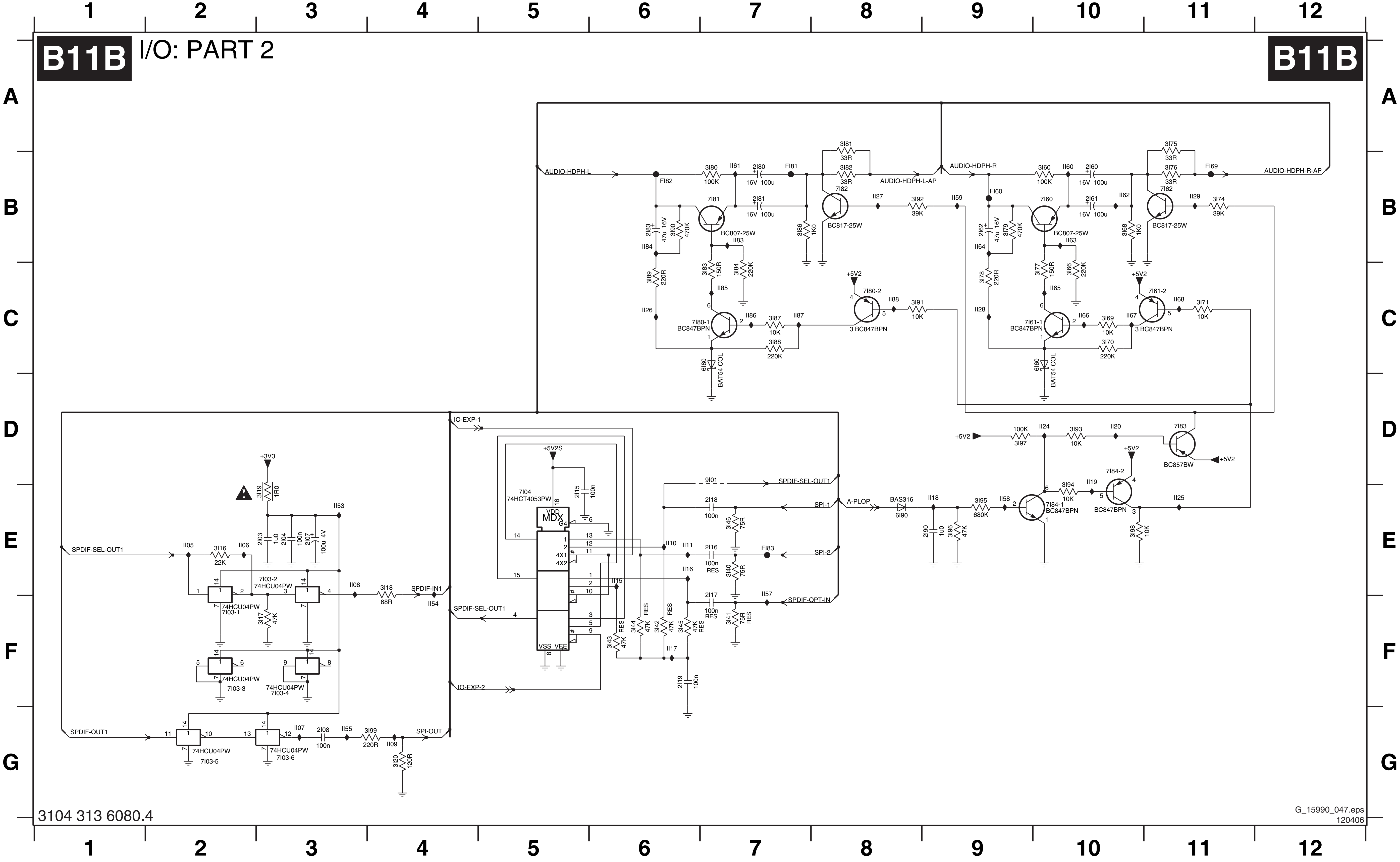
| | |
|---|---|
| 1I00-1 | A6 |
| 1I00-2 | B7 |
| 1I00-3 | C6 |
| 1I01-1 | A4 |
| 1I01-2 | B4 |
| 1I01-3 | C4 |
| 1I02-1 | A10 |
| 1I02-2 | B10 |
| 1I02-3 | C10 |
| 1I03 | A2 |
| 1I04 | B2 |
| 1I05 | F2 |
| 1I06 | F2 |
| 1I07 | F2 |
| 1I09 | E1 |
| 1I10 | G1 |
| 1I11 | A1 |
| 1I12 | C4 |
| 1I13 | D4 |
| 1I14 | B4 |
| 1I21 | B7 |
| 1I22 | C7 |
| 1I23 | D7 |
| 1I31 | B11 |
| 1I32 | C11 |
| 1I33 | D11 |
| 1I50 | G2 |
| 1I51 | G3 |
| 1I52 | G4 |
| 1I53 | I4 |
| 1I54 | I2 |
| 1Y44 | I13 |
| 2I01 | A3 |
| 2I02 | B3 |
| 2I05 | D2 |
| 2I06 | D2 |
| 2I09 | C9 |
| 2I10 | B9 |
| 2I11 | B5 |
| 2I12 | C5 |
| 2I13 | D5 |
| 2I21 | B8 |
| 2I22 | C8 |
| 2I23 | D8 |
| 2I25 | B10 |
| 2I26 | C10 |
| 2I27 | D10 |
| 2I31 | B12 |
| 2I51 | I4 |
| 2I52 | I3 |
| 2I53 | H7 |
| 2I54 | H8 |
| 2I55 | H8 |
| 2I56 | H8 |
| 3I00 | A2 |
| 3I01 | A3 |
| 3I02 | B2 |
| 3I03 | B3 |
| 3I05 | D2 |
| 3I06 | D2 |
| 3I07 | E1 |
| 3I08 | E3 |
| 3I09 | E3 |
| 3I11 | B5 |
| 3I12 | B5 |
| 3I13 | C5 |
| 3I14 | C5 |
| 3I15 | D5 |
| 3I21 | B8 |
| 3I22 | C8 |
| 3I23 | B9 |
| 3I24 | C9 |
| 3I25 | C8 |
| 3I26 | D8 |
| 3I27 | C9 |
| 3I28 | D9 |
| 3I31 | B12 |
| 3I32 | C12 |
| 3I33 | D12 |
| 3I51 | G3 |
| 3I52 | G4 |
| 3I53 | G5 |
| 3I54 | H5 |
| 3I55 | I4 |
| 3I56 | I3 |
| 3I57 | H5 |
| 3I58 | H9 |
| 3I59 | I9 |
| 3I61 | H9 |
| 3I62 | I10 |
| 3I63 | H11 |
| 3I64 | H11 |
| 3I65 | I11 |
| 5I01 | A5 |
| 5I21 | A7 |
| 5I50 | H8 |
| 5I51 | H8 |
| 6I01 | A2 |
| 6I02 | B2 |
| 6I03 | B2 |
| 6I04 | C2 |
| 6I05 | E1 |
| 6I06 | E2 |
| 6I11 | B4 |
| 6I12 | B5 |
| 6I13 | C4 |
| 6I14 | C5 |
| 6I15 | D5 |
| 6I16 | D5 |
| 6I21 | B7 |
| 6I22 | B7 |
| 6I23 | C7 |
| 6I24 | C7 |
| 6I25 | D7 |
| 6I26 | D7 |
| 6I31 | A11 |
| 6I32 | B11 |
| 6I33 | B11 |
| 6I34 | C11 |
| 6I35 | C11 |
| 6I36 | D11 |
| 6I51 | G2 |
| 6I52 | G3 |
| 6I53 | G4 |
| 6I54 | I4 |
| 6I55 | I2 |
| 6I56 | H8 |
| 6I57 | I9 |
| 6I58 | H11 |
| 6I59 | I11 |
| 7I01 | D2 |
| 7I02 | D3 |
| 7I21-1 | D8 |
| 7I21-2 | C8 |
| 7I50 | H10 |
| 9I31 | A13 |
| 9I32 | B13 |
| 9I33 | C13 |
| 9I51 | G3 |
| 9I52 | G4 |
| 9I53 | G5 |
| FI01 | A1 |
| FI02 | A2 |
| FI03 | B2 |
| FI04 | E2 |
| FI05 | E2 |
| FI06 | E2 |
| FI07 | E1 |
| FI27 | H11 |
| FI28 | I10 |
| FI31 | A11 |
| FI32 | B11 |
| FI33 | C11 |
| FI51 | G2 |
| FI52 | G3 |
| FI53 | G4 |
| FI54 | H4 |
| FI55 | H2 |
| FI56 | H7 |
| FI57 | I8 |
| FI58 | G1 |
| FI59 | C4 |
| FI70 | B7 |
| FI71 | C7 |
| FI72 | A7 |
| FI73 | A4 |
| FI74 | B4 |
| FI75 | C4 |
| II01 | B2 |
| II02 | B2 |
| II03 | D2 |
| II04 | D3 |
| II12 | C4 |
| II13 | B4 |
| II14 | D5 |
| II21 | B7 |
| II22 | C7 |
| II23 | D7 |
| II30 | E2 |
| II31 | B11 |
| II32 | C11 |
| II33 | D11 |
| II34 | E3 |
| II35 | E3 |
| II36 | E3 |
| II37 | G5 |
| II38 | G5 |
| II39 | I9 |
| II40 | A3 |
| II41 | B3 |
| II42 | A5 |
| II43 | B5 |
| II44 | C5 |
| II45 | A9 |
| II46 | B9 |
| II47 | D9 |
| II48 | C8 |
| II49 | B8 |
| II50 | C9 |
| II51 | D9 |
| II52 | H10 |

## SSB: I/O Part 2

2I03 E3
2I04 E3
2I07 E3
2I08 G3
2I15 E5
2I16 E7
2I17 F7
2I18 E7
2I19 F6
2I60 B10
2I61 B10
2I62 B9
2I80 B7
2I81 B7
2I83 B6
2I90 E9
3I16 E2
3I17 F3
3I18 E4
3I19 E3
3I20 G4
3I40 E7
3I41 F7
3I42 F6
3I43 F6
3I44 F6
3I45 F6
3I46 E7
3I60 B10
3I66 C10
3I68 B10
3I69 C10
3I70 C10
3I71 C11
3I74 B11
3I75 A11
3I76 B11
3I77 C10
3I78 C9
3I79 B9
3I80 B7
3I81 A8
3I82 B8
3I83 C7
3I84 C7
3I86 B7
3I87 C7
3I88 C7
3I89 C6
3I90 B6
3I91 C8
3I92 B8
3I93 D10
3I94 E10
3I95 E9
3I96 E9
3I97 D9
3I98 E10
3I99 G4
6I60 C10
6I80 C7
6I90 E8
7I03-1 E2
7I03-2 E3
7I03-3 F2
7I03-4 F3
7I03-5 G2
7I03-6 G3
7I04 E5
7I60 B10
7I61-1 C10
7I61-2 C11
7I62 B11
7I80-1 C7
7I80-2 C8
7I81 B7
7I82 B8
7I83 D11
7I84-1 E10
7I84-2 D10
9I01 D7
FI60 B9
FI69 B11
FI81 B7
FI82 B6
FI83 E7
II05 E2
II06 E2
II07 G3
II08 E3
II09 G4
II10 E6
II11 E6
II15 E6
II16 E6
II17 F6
II18 E9
II19 D10
II20 D10
II24 D10
II25 E11
II26 C6
II27 B8
II28 C9
II29 B11
II53 E3
II54 F4
II55 G4
II57 E7
II58 E9
II59 B9
II60 B10
II61 B7
II62 B10
II63 B10
II64 B9
II65 C10
II66 C10
II67 C10
II68 C11
II83 B7
II84 B6
II85 C7
II86 C7
II87 C7
II88 C8


1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
B11B
I/O: PART 2
B11B
AUDIO-HDPH-L
FI82
3I80
100K
II61
2I80
16V 100u
FI81
3I81
33R
3I82
33R
AUDIO-HDPH-L-AP
7I82
BC817-25W
7I81
BC807-25W
2I81
16V 100u
2I83
47u 16V
3I90
470K
II84
II83
3I83
150R
3I84
220K
3I89
220R
II85
II26
7I80-1
BC847BPN
II86
3I87
10K
II87
3I88
220K
6I80
BAT54 COL
3I86
1K0
II27
3I92
39K
II59
+5V2
7I80-2
II88
3I91
10K
3 BC847BPN
AUDIO-HDPH-R
3I60
100K
II60
2I60
16V 100u
FI60
7I60
BC807-25W
2I61
16V 100u
II62
3I75
33R
3I76
33R
FI69
AUDIO-HDPH-R-AP
7I62
BC817-25W
II29
3I74
39K
2I62
47u 16V
3I79
470K
II64
II63
3I68
1K0
3I77
150R
3I66
220K
3I78
220R
II65
II28
7I61-1
BC847BPN
II66
3I69
10K
II67
3I70
220K
7I61-2
II68
3I71
10K
3 BC847BPN
6I60
BAT54 COL
+5V2
100K
3I97
II24
3I93
10K
II20
7I83
BC857BW
+5V2
7I84-2
3I94
10K
II19
BC847BPN
II25
3I98
10K
A-PLOP
BAS316
6I90
II18
3I95
680K
II58
7I84-1
BC847BPN
2I90
1u0
3I96
47K
IO-EXP-1
+5V2S
7I04
74HCT4053PW
2I15
100n
VDD
MDX
G4
VSS
VEE
4X1
4X2
9I01
SPDIF-SEL-OUT1
2I18
100n
SPI-1
3I46
75R
II10
II11
2I16
100n
RES
FI83
SPI-2
3I40
75R
II16
2I17
100n
RES
II57
SPDIF-OPT-IN
3I41
75R
RES
II15
3I43
47K
RES
3I44
47K
RES
3I42
47K
RES
3I45
47K
RES
II17
2I19
100n
SPDIF-SEL-OUT1
IO-EXP-2
+3V3
3I19
1R0
II53
2I03
1u0
2I04
100n
2I07
100u 4V
SPDIF-SEL-OUT1
II05
3I16
22K
II06
7I03-2
74HCU04PW
7I03-1
74HCU04PW
3I17
47K
II08
3I18
68R
SPDIF-IN1
II54
74HCU04PW
7I03-3
74HCU04PW
7I03-4
SPDIF-OUT1
74HCU04PW
7I03-5
74HCU04PW
7I03-6
II07
2I08
100n
II55
3I99
220R
II09
SPI-OUT
3I20
120R
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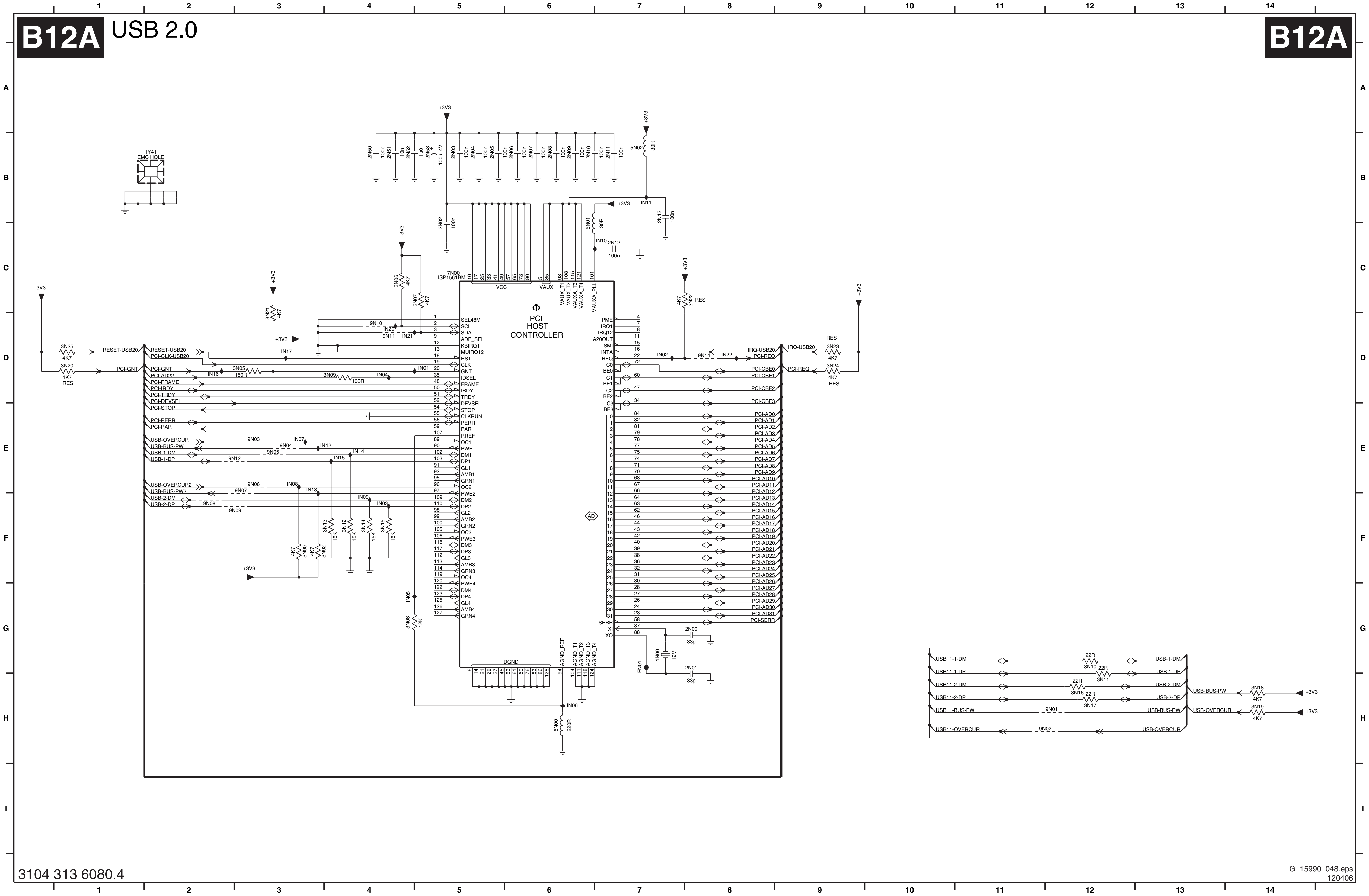
## SSB: USB 2.0


B12A
USB 2.0
B12A
1Y41
EMC HOLE
7N00
ISP1561BM
PCI
HOST
CONTROLLER
VCC
VAUX
DGND
+3V3
RESET-USB20
PCI-GNT
PCI-CLK-USB20
PCI-AD22
PCI-FRAME
PCI-IRDY
PCI-TRDY
PCI-DEVSEL
PCI-STOP
PCI-PERR
PCI-PAR
USB-OVERCUR
USB-BUS-PW
USB-1-DM
USB-1-DP
USB-OVERCUR2
USB-BUS-PW2
USB-2-DM
USB-2-DP
IRQ-USB20
PCI-REQ
PCI-CBE0
PCI-CBE1
PCI-CBE2
PCI-CBE3
PCI-AD0
PCI-AD31
PCI-SERR
USB11-1-DM
USB11-1-DP
USB11-2-DM
USB11-2-DP
USB11-BUS-PW
USB11-OVERCUR
USB-BUS-PW
USB-OVERCUR
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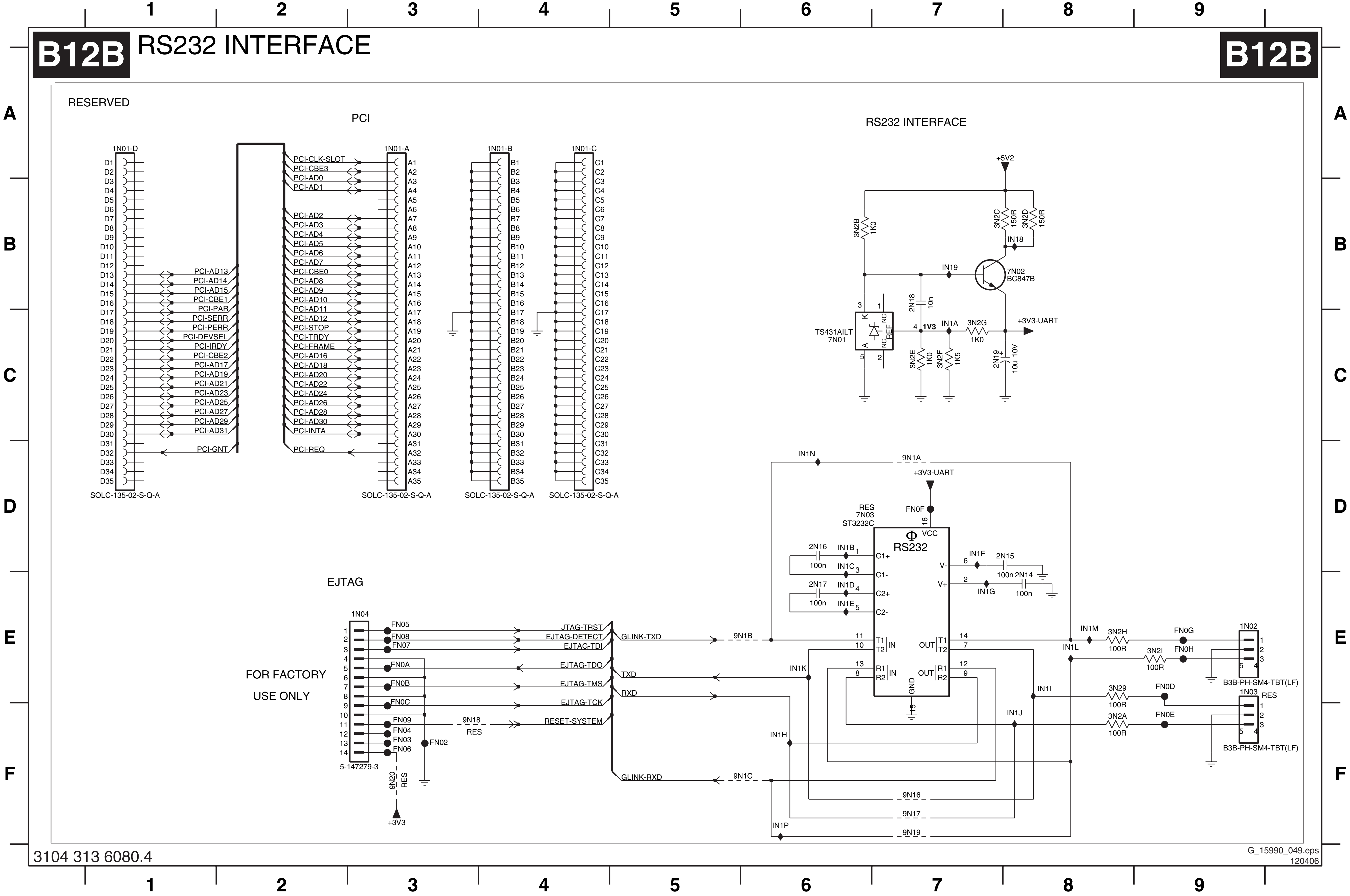
|  |  |
|---|---|
| 1N00 | G7 |
| 1Y41 | B2 |
| 2N00 | G8 |
| 2N01 | G8 |
| 2N02 | C5 |
| 2N03 | B5 |
| 2N04 | B5 |
| 2N05 | B5 |
| 2N06 | B6 |
| 2N07 | B6 |
| 2N08 | B6 |
| 2N09 | B6 |
| 2N10 | B6 |
| 2N11 | B7 |
| 2N12 | C7 |
| 2N13 | B7 |
| 2N50 | B4 |
| 2N51 | B4 |
| 2N52 | B4 |
| 2N53 | B5 |
| 3N05 | D3 |
| 3N06 | C4 |
| 3N07 | C5 |
| 3N08 | G4 |
| 3N09 | D4 |
| 3N10 | G12 |
| 3N11 | H12 |
| 3N12 | F4 |
| 3N13 | F4 |
| 3N14 | F4 |
| 3N15 | F4 |
| 3N16 | H12 |
| 3N17 | H12 |
| 3N18 | H14 |
| 3N19 | H14 |
| 3N20 | D1 |
| 3N21 | D3 |
| 3N22 | C8 |
| 3N23 | D9 |
| 3N24 | D9 |
| 3N25 | D1 |
| 3N90 | F3 |
| 3N92 | F3 |
| 5N00 | H6 |
| 5N01 | C6 |
| 5N02 | B7 |
| 7N00 | C5 |
| 9N01 | H12 |
| 9N02 | H12 |
| 9N03 | E3 |
| 9N04 | E3 |
| 9N05 | E3 |
| 9N06 | E3 |
| 9N07 | E3 |
| 9N08 | F2 |
| 9N09 | F3 |
| 9N10 | D4 |
| 9N11 | D4 |
| 9N12 | E3 |
| 9N14 | D8 |
| FN01 | G7 |
| IN01 | D5 |
| IN02 | D7 |
| IN03 | F4 |
| IN04 | D4 |
| IN05 | G4 |
| IN06 | H6 |
| IN07 | E3 |
| IN08 | E3 |
| IN09 | F4 |
| IN10 | C7 |
| IN11 | B7 |
| IN12 | E4 |
| IN13 | E3 |
| IN14 | E4 |
| IN15 | E4 |
| IN16 | D2 |
| IN17 | D3 |
| IN20 | D4 |
| IN21 | D4 |
| IN22 | D8 |

## SSB: RS232 Interface


B12B
RS232 INTERFACE
B12B
RESERVED
PCI
1N01-D
1N01-A
1N01-B
1N01-C
PCI-CLK-SLOT
PCI-CBE3
PCI-AD0
PCI-AD1
PCI-AD13
PCI-AD14
PCI-AD15
PCI-CBE1
PCI-PAR
PCI-SERR
PCI-PERR
PCI-DEVSEL
PCI-IRDY
PCI-CBE2
PCI-AD17
PCI-AD19
PCI-AD21
PCI-AD23
PCI-AD25
PCI-AD27
PCI-AD29
PCI-AD31
PCI-GNT
PCI-REQ
PCI-INTA
PCI-FRAME
PCI-STOP
PCI-TRDY
SOLC-135-02-S-Q-A
RS232 INTERFACE
+5V2
3N2B 1K0
3N2C 150R
3N2D 150R
IN18
IN19
7N02 BC847B
2N18 10n
TS431AILT 7N01
1V3
IN1A
3N2G 1K0
+3V3-UART
3N2E 1K0
3N2F 1K5
2N19 10u 10V
IN1N
9N1A
+3V3-UART
FN0F
RES 7N03 ST3232C
RS232
VCC
2N16 100n
2N17 100n
2N15 100n
2N14 100n
IN1B
IN1C
IN1D
IN1E
IN1F
IN1G
C1+
C1-
C2+
C2-
V-
V+
T1 IN
T2
R1
R2
OUT
GND
EJTAG
1N04
FN05
FN08
FN07
FN0A
FN0B
FN0C
FN09
FN04
FN03
FN06
FN02
9N18 RES
9N20 RES
+3V3
5-147279-3
FOR FACTORY USE ONLY
JTAG-TRST
EJTAG-DETECT
EJTAG-TDI
EJTAG-TDO
EJTAG-TMS
EJTAG-TCK
RESET-SYSTEM
GLINK-TXD
TXD
RXD
GLINK-RXD
9N1B
9N1C
IN1K
IN1H
IN1M
IN1L
IN1I
IN1J
IN1P
3N2H 100R
3N2I 100R
3N29 100R
3N2A 100R
FN0G
FN0H
FN0D
FN0E
1N02
1N03 RES
B3B-PH-SM4-TBT(LF)
9N16
9N17
9N19
3104 313 6080.4
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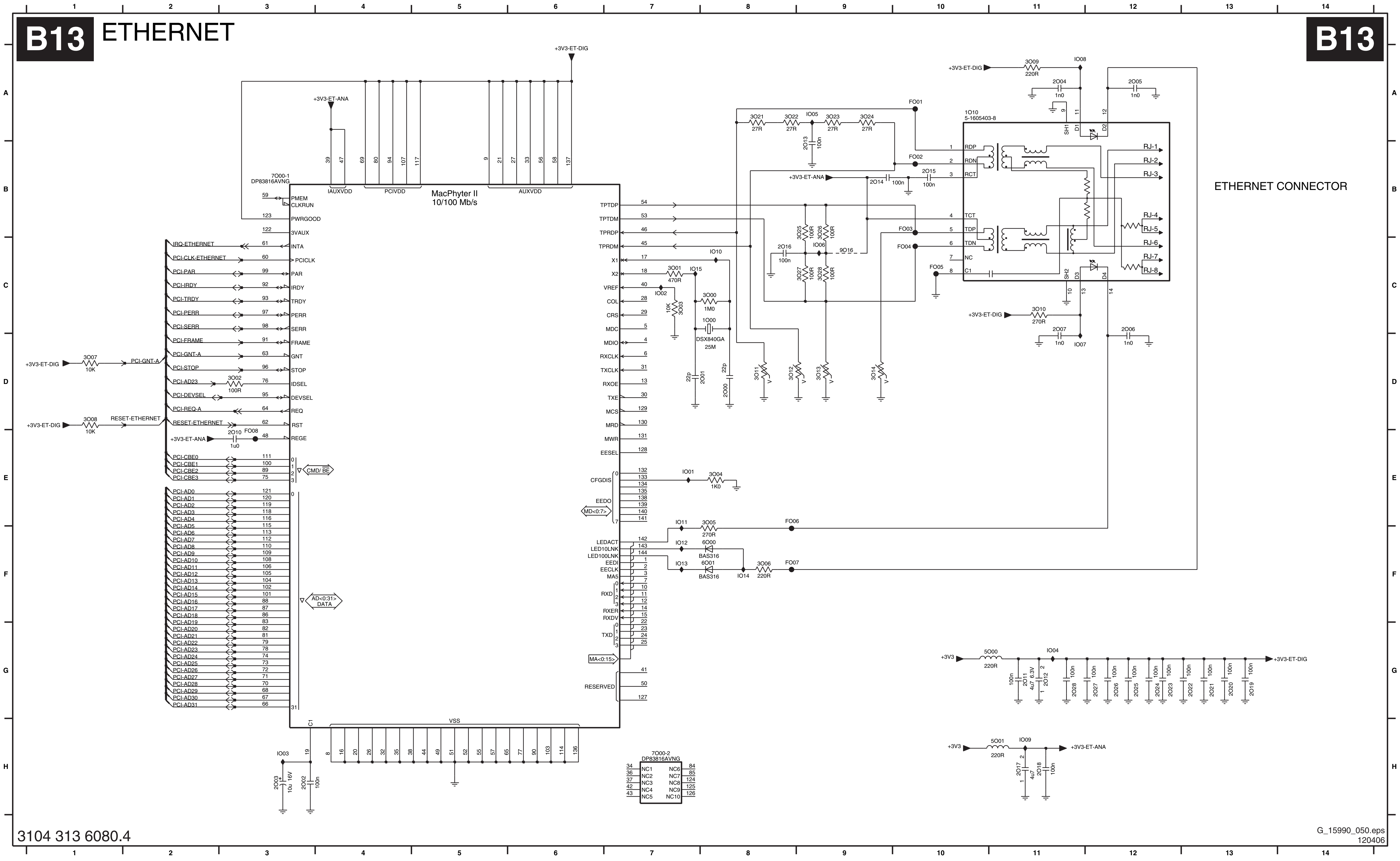
| | |
|---|---|
| 1N01-A | A3 |
| 1N01-B | A4 |
| 1N01-C | A4 |
| 1N01-D | A1 |
| 1N02 | E9 |
| 1N03 | E9 |
| 1N04 | E3 |
| 2N14 | E8 |
| 2N15 | D8 |
| 2N16 | D6 |
| 2N17 | E6 |
| 2N18 | B7 |
| 2N19 | C7 |
| 3N29 | E8 |
| 3N2A | F8 |
| 3N2B | B6 |
| 3N2C | B7 |
| 3N2D | B8 |
| 3N2E | C7 |
| 3N2F | C7 |
| 3N2G | C7 |
| 3N2H | E8 |
| 3N2I | E9 |
| 7N01 | C6 |
| 7N02 | B8 |
| 7N03 | D7 |
| 9N16 | F7 |
| 9N17 | F7 |
| 9N18 | F3 |
| 9N19 | F7 |
| 9N1A | D7 |
| 9N1B | E6 |
| 9N1C | F6 |
| 9N20 | F3 |
| FN02 | F3 |
| FN03 | F3 |
| FN04 | F3 |
| FN05 | E3 |
| FN06 | F3 |
| FN07 | E3 |
| FN08 | E3 |
| FN09 | F3 |
| FN0A | E3 |
| FN0B | E3 |
| FN0C | F3 |
| FN0D | E9 |
| FN0E | F9 |
| FN0F | D7 |
| FN0G | E9 |
| FN0H | E9 |
| IN18 | B8 |
| IN19 | B7 |
| IN1A | C7 |
| IN1B | D6 |
| IN1C | D6 |
| IN1D | E6 |
| IN1E | E6 |
| IN1F | D7 |
| IN1G | E7 |
| IN1H | F6 |
| IN1I | E8 |
| IN1J | F8 |
| IN1K | E6 |
| IN1L | E8 |
| IN1M | E8 |
| IN1N | D6 |
| IN1P | F6 |

## SSB: Ethernet

1O00 C8
1O10 A10
2O00 D8
2O01 D8
2O02 H3
2O03 H3
2O04 A11
2O05 A12
2O06 C12
2O07 C11
2O10 E3
2O11 G11
2O12 G11
2O13 B9
2O14 B9
2O15 B10
2O16 C8
2O17 H11
2O18 H11
2O19 G13
2O20 G13
2O21 G13
2O22 G13
2O23 G12
2O24 G12
2O25 G12
2O26 G12
2O27 G12
2O28 G11
3O00 C8
3O01 C7
3O02 D3
3O03 C7
3O04 E8
3O05 E8
3O06 F8
3O07 D1
3O08 D1
3O09 A11
3O10 C11
3O11 D8
3O12 D8
3O13 D9
3O14 D9
3O21 A8
3O22 A8
3O23 A9
3O24 A9
3O25 B9
3O26 B9
3O27 C9
3O28 C9
5O00 G11
5O01 H11
6O00 F8
6O01 F8
7O00-1 B3
7O00-2 H7
9O16 C9
FO01 A10
FO02 B10
FO03 B10
FO04 C10
FO05 C10
FO06 E8
FO07 F8
FO08 E3
IO01 E7
IO02 C7
IO03 H3
IO04 G11
IO05 A9
IO06 C9
IO07 D11
IO08 A11
IO09 H11
IO10 C8
IO11 E7
IO12 F7
IO13 F7
IO14 F8
IO15 C7


B13
ETHERNET
B13
7O00-1
DP83816AVNG
MacPhyter II
10/100 Mb/s
IAUXVDD
PCIVDD
AUXVDD
VSS
+3V3-ET-DIG
+3V3-ET-ANA
IRQ-ETHERNET
PCI-CLK-ETHERNET
PCI-GNT-A
RESET-ETHERNET
CMD/ BE
AD<0:31>
DATA
MD<0:7>
MA<0:15>
1O10
5-1605403-8
ETHERNET CONNECTOR
RJ-1
RJ-2
RJ-3
RJ-4
RJ-5
RJ-6
RJ-7
RJ-8
1O00
DSX840GA
25M
7O00-2
DP83816AVNG
+3V3
5O00
220R
5O01
220R
3104 313 6080.4
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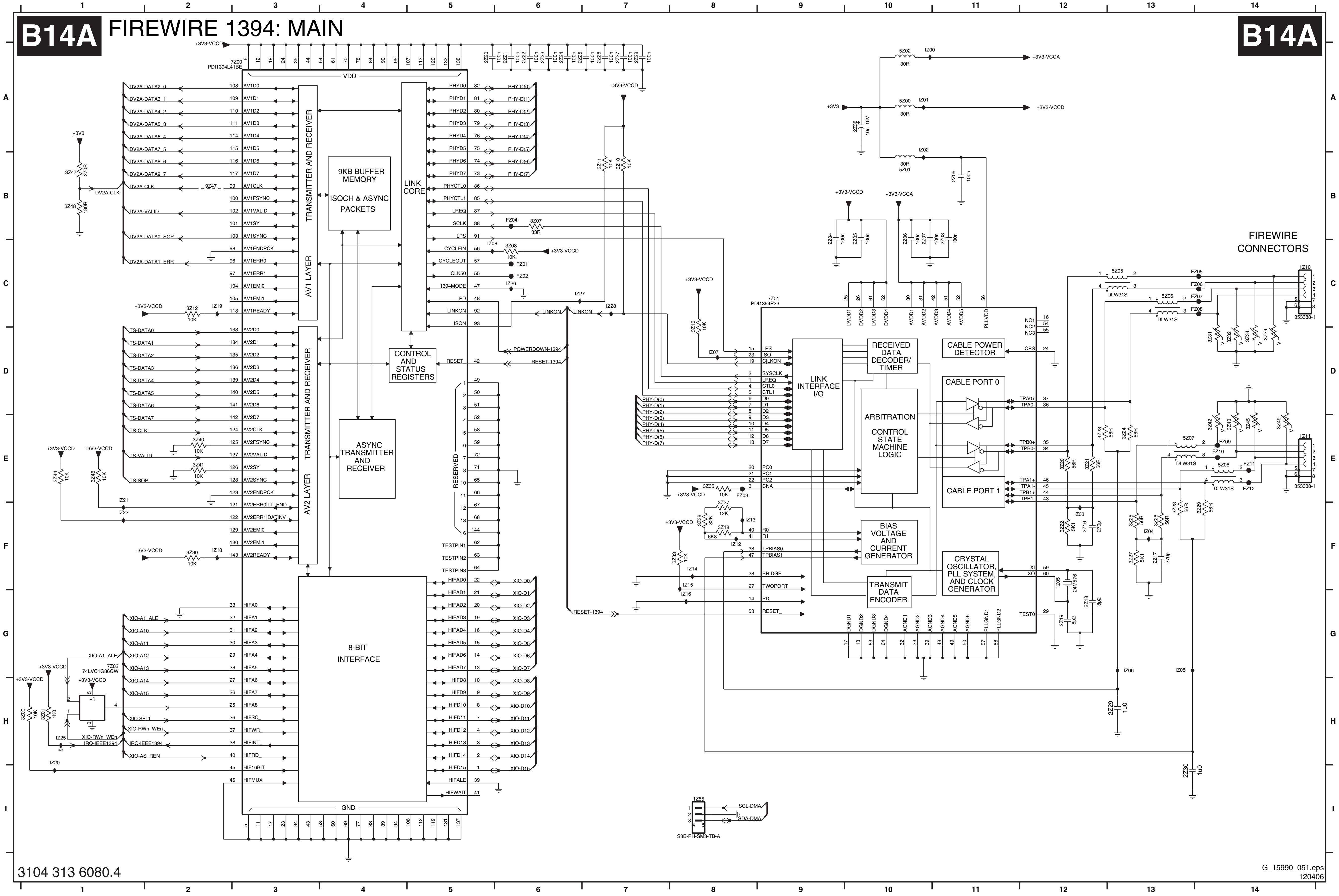
## SSB: Firewire 1394: Main


B14A
FIREWIRE 1394: MAIN
B14A
7Z00
PDI1394L41BE
VDD
TRANSMITTER AND RECEIVER
AV1 LAYER
9KB BUFFER MEMORY
ISOCH & ASYNC PACKETS
LINK CORE
CONTROL AND STATUS REGISTERS
TRANSMITTER AND RECEIVER
AV2 LAYER
ASYNC TRANSMITTER AND RECEIVER
RESERVED
8-BIT INTERFACE
GND
7Z01
PDI1394P23
LINK INTERFACE I/O
RECEIVED DATA DECODER/ TIMER
CABLE POWER DETECTOR
CABLE PORT 0
ARBITRATION
CONTROL STATE MACHINE LOGIC
CABLE PORT 1
BIAS VOLTAGE AND CURRENT GENERATOR
CRYSTAL OSCILLATOR, PLL SYSTEM, AND CLOCK GENERATOR
TRANSMIT DATA ENCODER
FIREWIRE CONNECTORS
1Z10
1Z11
353388-1
7Z02
74LVC1G86GW
1Z55
S3B-PH-SM3-TB-A
SCL-DMA
SDA-DMA
+3V3-VCCD
+3V3-VCCA
+3V3
POWERDOWN-1394
RESET-1394
LINKON
1
2
3
4
5
6
7
8
9
10
11
12
13
14
A
B
C
D
E
F
G
H
I

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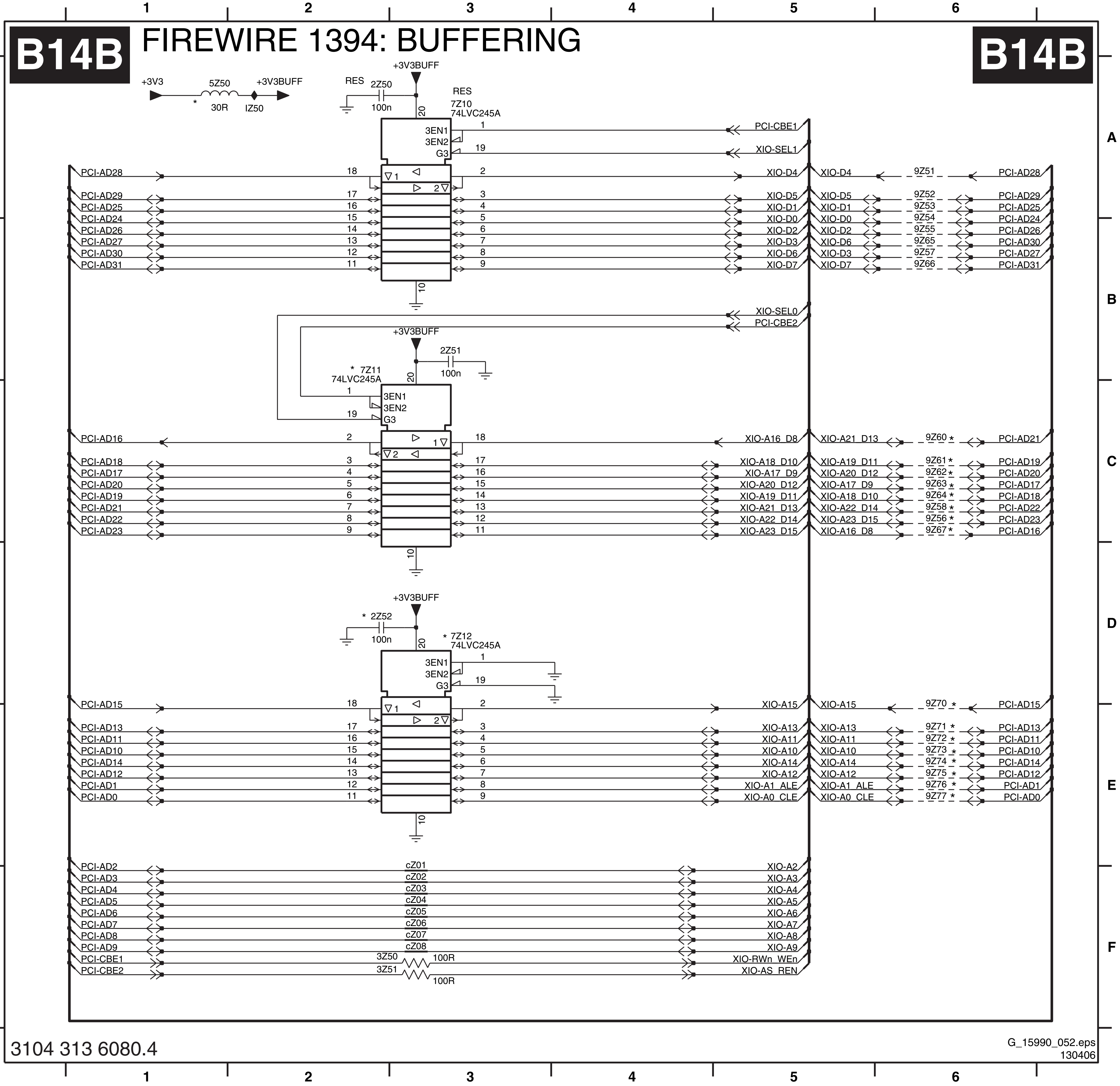
| | |
|---|---|
| 1Z05 | F12 |
| 1Z10 | C14 |
| 1Z11 | E14 |
| 1Z55 | I8 |
| 2Z04 | B9 |
| 2Z05 | B10 |
| 2Z06 | B10 |
| 2Z07 | B10 |
| 2Z08 | B11 |
| 2Z09 | B11 |
| 2Z16 | F12 |
| 2Z17 | F13 |
| 2Z18 | G12 |
| 2Z19 | G12 |
| 2Z20 | A5 |
| 2Z21 | A6 |
| 2Z22 | A6 |
| 2Z23 | A6 |
| 2Z24 | A6 |
| 2Z25 | A6 |
| 2Z26 | A7 |
| 2Z27 | A7 |
| 2Z28 | A7 |
| 2Z29 | H13 |
| 2Z30 | I13 |
| 2Z38 | A10 |
| 3Z00 | H1 |
| 3Z01 | H1 |
| 3Z07 | B6 |
| 3Z08 | C6 |
| 3Z10 | B7 |
| 3Z11 | B7 |
| 3Z12 | C2 |
| 3Z13 | C8 |
| 3Z18 | F8 |
| 3Z20 | E12 |
| 3Z21 | E12 |
| 3Z22 | F12 |
| 3Z23 | E12 |
| 3Z24 | E13 |
| 3Z25 | F13 |
| 3Z26 | F13 |
| 3Z27 | F13 |
| 3Z28 | F13 |
| 3Z29 | F14 |
| 3Z30 | F2 |
| 3Z31 | D14 |
| 3Z32 | D14 |
| 3Z33 | F8 |
| 3Z34 | D14 |
| 3Z35 | E8 |
| 3Z37 | F8 |
| 3Z38 | F8 |
| 3Z39 | D14 |
| 3Z40 | E2 |
| 3Z41 | E2 |
| 3Z42 | E14 |
| 3Z43 | E14 |
| 3Z44 | E1 |
| 3Z45 | E14 |
| 3Z46 | E1 |
| 3Z47 | B1 |
| 3Z48 | B1 |
| 3Z49 | E14 |
| 5Z00 | A10 |
| 5Z01 | B10 |
| 5Z02 | A10 |
| 5Z05 | C13 |
| 5Z06 | C13 |
| 5Z07 | E13 |
| 5Z08 | E14 |
| 7Z00 | A3 |
| 7Z01 | C9 |
| 7Z02 | G1 |
| 9Z47 | B2 |
| FZ01 | C6 |
| FZ02 | C6 |
| FZ03 | E8 |
| FZ04 | B6 |
| FZ05 | C14 |
| FZ06 | C14 |
| FZ07 | C14 |
| FZ08 | C14 |
| FZ09 | E14 |
| FZ10 | E14 |
| FZ11 | E14 |
| FZ12 | E14 |
| IZ00 | A10 |
| IZ01 | A10 |
| IZ02 | A10 |
| IZ03 | F12 |
| IZ04 | F13 |
| IZ05 | G13 |
| IZ06 | G13 |
| IZ07 | D8 |
| IZ08 | C5 |
| IZ12 | F8 |
| IZ13 | F8 |
| IZ14 | F8 |
| IZ15 | F8 |
| IZ16 | G8 |
| IZ18 | F2 |
| IZ19 | C2 |
| IZ20 | H1 |
| IZ21 | E1 |
| IZ22 | F1 |
| IZ25 | H1 |
| IZ26 | C6 |
| IZ27 | C6 |
| IZ28 | C7 |

## SSB: Firewire 1394: Buffering


B14B
FIREWIRE 1394: BUFFERING
B14B
+3V3
5Z50
30R
IZ50
+3V3BUFF
RES
2Z50
100n
7Z10
74LVC245A
3EN1
3EN2
G3
PCI-CBE1
XIO-SEL1
PCI-AD28
PCI-AD29
PCI-AD25
PCI-AD24
PCI-AD26
PCI-AD27
PCI-AD30
PCI-AD31
XIO-D4
XIO-D5
XIO-D1
XIO-D0
XIO-D2
XIO-D3
XIO-D6
XIO-D7
9Z51
9Z52
9Z53
9Z54
9Z55
9Z65
9Z57
9Z66
XIO-SEL0
PCI-CBE2
2Z51
7Z11
PCI-AD16
PCI-AD18
PCI-AD17
PCI-AD20
PCI-AD19
PCI-AD21
PCI-AD22
PCI-AD23
XIO-A16 D8
XIO-A18 D10
XIO-A17 D9
XIO-A20 D12
XIO-A19 D11
XIO-A21 D13
XIO-A22 D14
XIO-A23 D15
9Z60
9Z61
9Z62
9Z63
9Z64
9Z58
9Z56
9Z67
2Z52
7Z12
PCI-AD15
PCI-AD13
PCI-AD11
PCI-AD10
PCI-AD14
PCI-AD12
PCI-AD1
PCI-AD0
XIO-A15
XIO-A13
XIO-A11
XIO-A10
XIO-A14
XIO-A12
XIO-A1 ALE
XIO-A0 CLE
9Z70
9Z71
9Z72
9Z73
9Z74
9Z75
9Z76
9Z77
PCI-AD2
PCI-AD3
PCI-AD4
PCI-AD5
PCI-AD6
PCI-AD7
PCI-AD8
PCI-AD9
PCI-CBE1
PCI-CBE2
cZ01
cZ02
cZ03
cZ04
cZ05
cZ06
cZ07
cZ08
3Z50
3Z51
100R
XIO-A2
XIO-A3
XIO-A4
XIO-A5
XIO-A6
XIO-A7
XIO-A8
XIO-A9
XIO-RWn WEn
XIO-AS REN
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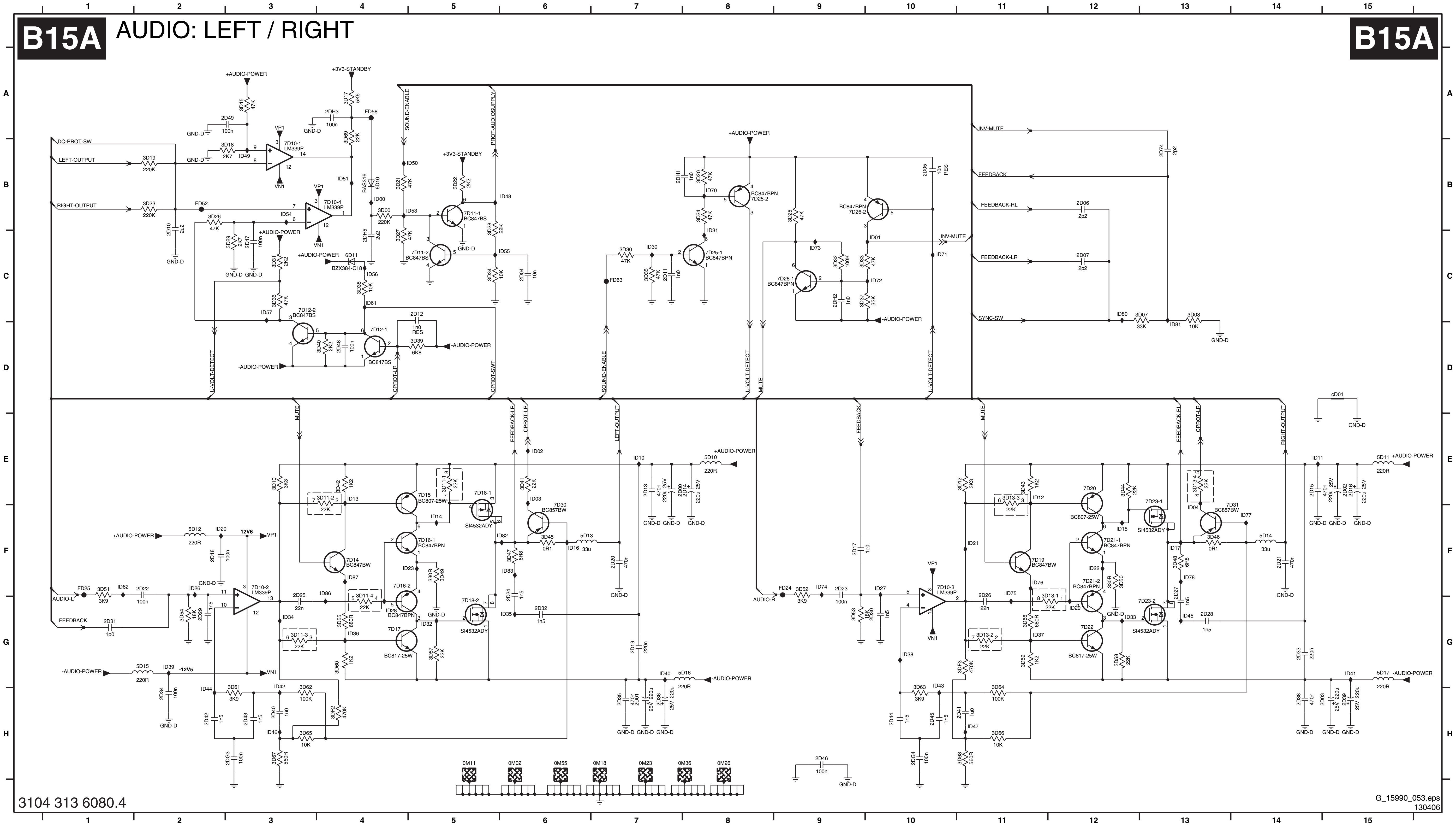
| | |
|---|---|
| 2Z50 | A2 |
| 2Z51 | B3 |
| 2Z52 | D2 |
| 3Z50 | F2 |
| 3Z51 | F2 |
| 5Z50 | A1 |
| 7Z10 | A3 |
| 7Z11 | B2 |
| 7Z12 | D3 |
| 9Z51 | A6 |
| 9Z52 | A6 |
| 9Z53 | A6 |
| 9Z54 | B6 |
| 9Z55 | B6 |
| 9Z56 | C6 |
| 9Z57 | B6 |
| 9Z58 | C6 |
| 9Z60 | C6 |
| 9Z61 | C6 |
| 9Z62 | C6 |
| 9Z63 | C6 |
| 9Z64 | C6 |
| 9Z65 | B6 |
| 9Z66 | B6 |
| 9Z67 | C6 |
| 9Z70 | E6 |
| 9Z71 | E6 |
| 9Z72 | E6 |
| 9Z73 | E6 |
| 9Z74 | E6 |
| 9Z75 | E6 |
| 9Z76 | E6 |
| 9Z77 | E6 |
| IZ50 | A2 |
| cZ01 | F3 |
| cZ02 | F3 |
| cZ03 | F3 |
| cZ04 | F3 |
| cZ05 | F3 |
| cZ06 | F3 |
| cZ07 | F3 |
| cZ08 | F3 |

## SSB: Audio: Left / Right

2D00 E7
2D01 H7
2D02 E15
2D03 H14
2D04 C6
2D05 B10
2D06 B12
2D07 C12
2D10 B2
2D11 C7
2D12 C5
2D13 E7
2D14 E8
2D15 E14
2D16 E15
2D17 F9
2D18 F2
2D19 G7
2D20 F7
2D21 F14
2D22 F2
2D23 F9
2D24 F6
2D25 G3
2D26 G11
2D27 F13
2D28 G13
2D29 G2
2D30 G10
2D31 G1
2D32 G6
2D33 G14
2D34 H2
2D35 H7
2D36 H7
2D38 H14
2D39 H15
2D40 H3
2D41 H11
2D42 H2
2D43 H3
2D44 H10
2D45 H10
2D46 H9
2D47 C3
2D48 D4
2D49 A3
2D74 B13
2DG3 H3
2DG4 H10
2DH1 B7
2DH2 C9
2DH3 A4
2DH5 C4
3D00 B4
3D07 C13
3D08 C13
3D10 E3
3D11-1 E5
3D11-2 E4
3D11-3 G3
3D11-4 G4
3D12 E11
3D13-1 G12
3D13-2 G11
3D13-3 E11
3D13-4 E13
3D15 A3
3D17 A4
3D18 B3
3D19 B2
3D20 B8
3D21 B4
3D22 B5
3D23 B2
3D24 B8
3D25 B9
3D26 B2
3D27 C4
3D28 B5
3D29 C3
3D30 C7
3D31 C3
3D32 C9
3D33 C9
3D34 C5
3D35 C7
3D36 C3
3D37 C9
3D38 C4
3D39 D5
3D40 D4
3D41 E6
3D42 E4
3D43 E11
3D44 E12
3D45 F6
3D46 F13
3D47 F6
3D48 F13
3D49 F5
3D50 F12
3D51 F1
3D52 F9
3D53 G9
3D54 G2
3D55 G4
3D56 G11
3D57 G5
3D58 G12
3D59 G11
3D60 G4
3D61 H3
3D62 H3
3D63 H10
3D64 H11
3D65 H3
3D66 H11
3D67 H3
3D68 H11
3D69 A4
3DF2 H4
3DF3 G11
5D10 E8
5D11 E15
5D12 F2
5D13 F6
5D14 F14
5D15 G2
5D16 G8
5D17 G15
6D10 B4
6D11 C4
7D10-1 B3
7D10-2 F3
7D10-3 F10
7D10-4 B4
7D11-1 B5
7D11-2 C5
7D12-1 D4
7D12-2 C3
7D14 F4
7D15 E5
7D16-1 F5
7D16-2 F4
7D17 G4
7D18-1 E5
7D18-2 G5
7D19 F11
7D20 E12
7D21-1 F12
7D21-2 F12
7D22 G12
7D23-1 E13
7D23-2 G12
7D25-1 C8
7D25-2 B8
7D26-1 C9
7D26-2 B10
7D30 F6
7D31 F14
FD24 F9
FD25 F1
FD52 B2
FD58 A4
FD63 C7
ID00 B4
ID01 C10
ID02 E6
ID03 E6
ID04 F13
ID10 E7
ID11 E14
ID12 E11
ID13 E4
ID14 F5
ID15 F12
ID16 F6
ID17 F13
ID20 F2
ID21 F11
ID22 F12
ID23 F5
ID26 F2
ID27 F10
ID28 G4
ID29 G12
ID30 C7
ID31 B8
ID32 G5
ID33 G12
ID34 G3
ID35 G6
ID36 G4
ID37 G11
ID38 G10
ID39 G2
ID40 G7
ID41 G15
ID42 G3
ID43 G10
ID44 H2
ID45 G13
ID46 H3
ID47 H11
ID48 B6
ID49 B3
ID50 B5
ID51 B4
ID53 B5
ID54 B3
ID55 C6
ID56 C4
ID57 C3
ID61 C4
ID62 F1
ID70 B8
ID71 C10
ID72 C10
ID73 C9
ID74 F9
ID75 F11
ID76 F11
ID77 F14
ID78 F13
ID80 C12
ID81 D13
ID82 F6
ID83 F6
ID86 F4
ID87 F4
cD01 D15

**B15A** AUDIO: LEFT / RIGHT **B15A**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H
+AUDIO-POWER
+3V3-STANDBY
DC-PROT-SW
LEFT-OUTPUT
RIGHT-OUTPUT
SOUND-ENABLE
PROT-AUDIOSUPPLY
7D10-1 LM339P
7D10-4 LM339P
7D11-1 BC847BS
7D11-2 BC847BS
7D12-1 BC847BS
7D12-2 BC847BS
BAS316 6D10
BZX384-C18 6D11
-AUDIO-POWER
U-VOLT-DETECT
CPROT-LR
CPROT-SWT
7D25-1 BC847BPN
7D25-2 BC847BPN
7D26-1 BC847BPN
7D26-2 BC847BPN
INV-MUTE
FEEDBACK
FEEDBACK-RL
FEEDBACK-LR
SYNC-SW
MUTE
GND-D
VP1
VN1
12V6
-12V5
AUDIO-L
AUDIO-R
7D10-2 LM339P
7D10-3 LM339P
7D14 BC847BW
7D15 BC807-25W
7D16-1 BC847BPN
7D16-2
7D17 BC817-25W
7D18-1 SI4532ADY
7D18-2 SI4532ADY
7D30 BC857BW
7D19 BC847BW
7D20 BC807-25W
7D21-1 BC847BPN
7D21-2 BC847BPN
7D22 BC817-25W
7D23-1 SI4532ADY
7D23-2 SI4532ADY
7D31 BC857BW
0M11 0M02 0M55 0M18 0M23 0M36 0M26
cD01

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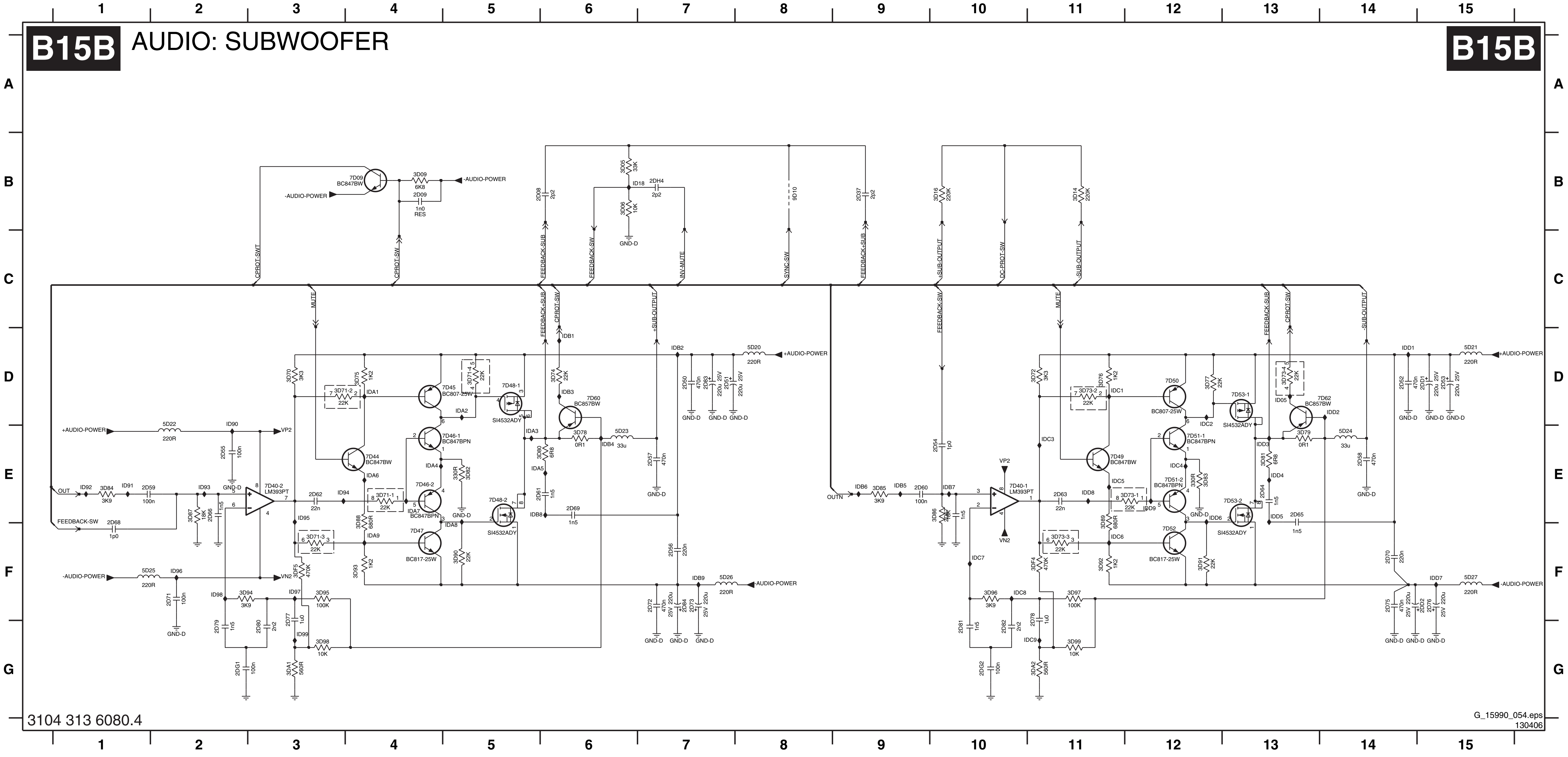
## SSB: Audio: Subwoofer

| | |
|---|---|
| 2D08 | B6 |
| 2D09 | B4 |
| 2D37 | B9 |
| 2D50 | D7 |
| 2D51 | D7 |
| 2D52 | D14 |
| 2D53 | D15 |
| 2D54 | E10 |
| 2D55 | E2 |
| 2D56 | F7 |
| 2D57 | E7 |
| 2D58 | E14 |
| 2D59 | E1 |
| 2D60 | E9 |
| 2D61 | E6 |
| 2D62 | E3 |
| 2D63 | E11 |
| 2D64 | E13 |
| 2D65 | E13 |
| 2D66 | E2 |
| 2D67 | E10 |
| 2D68 | F1 |
| 2D69 | E6 |
| 2D70 | F14 |
| 2D71 | F2 |
| 2D72 | F7 |
| 2D73 | F7 |
| 2D75 | F14 |
| 2D76 | F15 |
| 2D77 | F3 |
| 2D78 | F11 |
| 2D79 | G2 |
| 2D80 | G3 |
| 2D81 | G10 |
| 2D82 | G10 |
| 2D83 | D7 |
| 2D84 | F7 |
| 2DD1 | D15 |
| 2DD2 | F15 |
| 2DG1 | G2 |
| 2DG2 | G10 |
| 2DH4 | B7 |
| 3D05 | B6 |
| 3D06 | B6 |
| 3D09 | B4 |
| 3D14 | B11 |
| 3D16 | B10 |
| 3D70 | D3 |
| 3D71-1 | E4 |
| 3D71-2 | D3 |
| 3D71-3 | F3 |
| 3D71-4 | D5 |
| 3D72 | D11 |
| 3D73-1 | E12 |
| 3D73-2 | D11 |
| 3D73-3 | F11 |
| 3D73-4 | D13 |
| 3D74 | D6 |
| 3D75 | D4 |
| 3D76 | D11 |
| 3D77 | D12 |
| 3D78 | E6 |
| 3D79 | E13 |
| 3D80 | E6 |
| 3D81 | E13 |
| 3D82 | E5 |
| 3D83 | E12 |
| 3D84 | E1 |
| 3D85 | E9 |
| 3D86 | E10 |
| 3D87 | E2 |
| 3D88 | E4 |
| 3D89 | E11 |
| 3D90 | F5 |
| 3D91 | F12 |
| 3D92 | F11 |
| 3D93 | F4 |
| 3D94 | F2 |
| 3D95 | F3 |
| 3D96 | F10 |
| 3D97 | F11 |
| 3D98 | G3 |
| 3D99 | G11 |
| 3DA1 | G3 |
| 3DA2 | G11 |
| 3DF4 | F11 |
| 3DF5 | F3 |
| 5D20 | D8 |
| 5D21 | D15 |
| 5D22 | E2 |
| 5D23 | E6 |
| 5D24 | E14 |
| 5D25 | F1 |
| 5D26 | F7 |
| 5D27 | F15 |
| 7D09 | B4 |
| 7D40-1 | E10 |
| 7D40-2 | E3 |
| 7D44 | E4 |
| 7D45 | D4 |
| 7D46-1 | E4 |
| 7D46-2 | E4 |
| 7D47 | F4 |
| 7D48-1 | D5 |
| 7D48-2 | E5 |
| 7D49 | E11 |
| 7D50 | D12 |
| 7D51-1 | E12 |
| 7D51-2 | E12 |
| 7D52 | F12 |
| 7D53-1 | D13 |
| 7D53-2 | E13 |
| 7D60 | D6 |
| 7D62 | D14 |
| 9D10 | B8 |
| ID05 | D13 |
| ID18 | B7 |
| ID90 | D2 |
| ID91 | E1 |
| ID92 | E1 |
| ID93 | E2 |
| ID94 | E3 |
| ID95 | E3 |
| ID96 | F2 |
| ID97 | F3 |
| ID98 | F2 |
| ID99 | G3 |
| IDA1 | D4 |
| IDA2 | D5 |
| IDA3 | E5 |
| IDA4 | E4 |
| IDA5 | E5 |
| IDA6 | E4 |
| IDA7 | E4 |
| IDA8 | F5 |
| IDA9 | F4 |
| IDB1 | D6 |
| IDB2 | D7 |
| IDB3 | D6 |
| IDB4 | E6 |
| IDB5 | E9 |
| IDB6 | E9 |
| IDB7 | E10 |
| IDB8 | E5 |
| IDB9 | F7 |
| IDC1 | D11 |
| IDC2 | D12 |
| IDC3 | E11 |
| IDC4 | E12 |
| IDC5 | E11 |
| IDC6 | F11 |
| IDC7 | F10 |
| IDC8 | F10 |
| IDC9 | G11 |
| IDD1 | D14 |
| IDD2 | D14 |
| IDD3 | E13 |
| IDD4 | E13 |
| IDD5 | E13 |
| IDD6 | E12 |
| IDD7 | F15 |
| IDD8 | E11 |
| IDD9 | E12 |

### B15B AUDIO: SUBWOOFER



B15B
AUDIO: SUBWOOFER
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
7D09
BC847BW
3D09
6K8
2D09
1n0
RES
-AUDIO-POWER
-AUDIO-POWER
CPROT-SWT
CPROT-SW
MUTE
FEEDBACK-SUB
FEEDBACK-SW
INV-MUTE
SYNC-SW
DC-PROT-SW
SUB-OUTPUT
+SUB-OUTPUT
3D05
33K
3D06
10K
ID18
2DH4
2p2
2D08
2p2
9D10
2D37
2p2
3D16
220K
3D14
220K
GND-D
+AUDIO-POWER
5D22
220R
ID90
VP2
2D55
100n
OUT
ID92
3D84
3K9
ID91
2D59
100n
ID93
3D87
18K
2D66
1n5
7D40-2
LM393PT
FEEDBACK-SW
2D68
1p0
5D25
220R
ID96
2D71
100n
VN2
ID98
3D94
3K9
2D79
1n5
2D80
2n2
2DG1
100n
ID97
2D77
1u0
ID99
3D95
100K
3D98
10K
3DA1
560R
3DF5
470K
3D70
3K3
3D71-2
22K
3D75
1K2
IDA1
7D45
BC807-25W
3D71-4
22K
IDA2
7D48-1
SI4532ADY
7D44
BC847BW
IDA6
7D46-1
BC847BPN
7D46-2
IDA4
330R
3D82
2D62
22n
ID94
3D71-1
22K
IDA7
ID95
3D88
680R
IDA9
3D71-3
22K
7D47
BC817-25W
IDA8
3D90
22K
3D93
1K2
7D48-2
SI4532ADY
IDA3
IDA5
3D80
6R8
2D61
1n5
IDB8
2D69
1n5
IDB1
3D74
22K
IDB3
7D60
BC857BW
3D78
0R1
IDB4
5D23
33u
2D57
470n
IDB2
2D50
470n
2D83
220u 25V
2D51
220u 25V
5D20
220R
2D56
220n
IDB9
5D26
220R
2D72
470n
2D84
220u 25V
2D73
220u 25V
OUTN
IDB6
3D85
3K9
IDB5
2D60
100n
IDB7
3D86
18K
2D67
1n5
2D54
1p0
7D40-1
LM393PT
VP2
VN2
3D72
3K3
3D73-2
22K
3D76
1K2
IDC1
7D50
BC807-25W
IDC2
3D77
22K
7D53-1
SI4532ADY
ID05
3D73-4
22K
7D62
BC857BW
IDD2
IDC3
7D49
BC847BW
IDC4
7D51-1
BC847BPN
7D51-2
BC847BPN
IDC5
3D83
330R
2D63
22n
IDD8
3D73-1
22K
IDD9
3D89
680R
IDC6
3D73-3
22K
7D52
BC817-25W
3D91
22K
3D92
1K2
IDD6
7D53-2
SI4532ADY
IDD3
3D81
6R8
IDD4
2D64
1n5
IDD5
2D65
1n5
3D79
0R1
5D24
33u
2D58
470n
IDD1
2D52
470n
2D53
220u 25V
2DD1
220u 25V
5D21
220R
2D70
220n
IDD7
5D27
220R
2D75
470n
2D76
220u 25V
2DD2
220u 25V
IDC7
3D96
3K9
IDC8
2D81
1n5
2D82
2n2
2DG2
100n
2D78
1u0
IDC9
3D97
100K
3D99
10K
3DA2
560R
3DF4
470K

3104 313 6080.4

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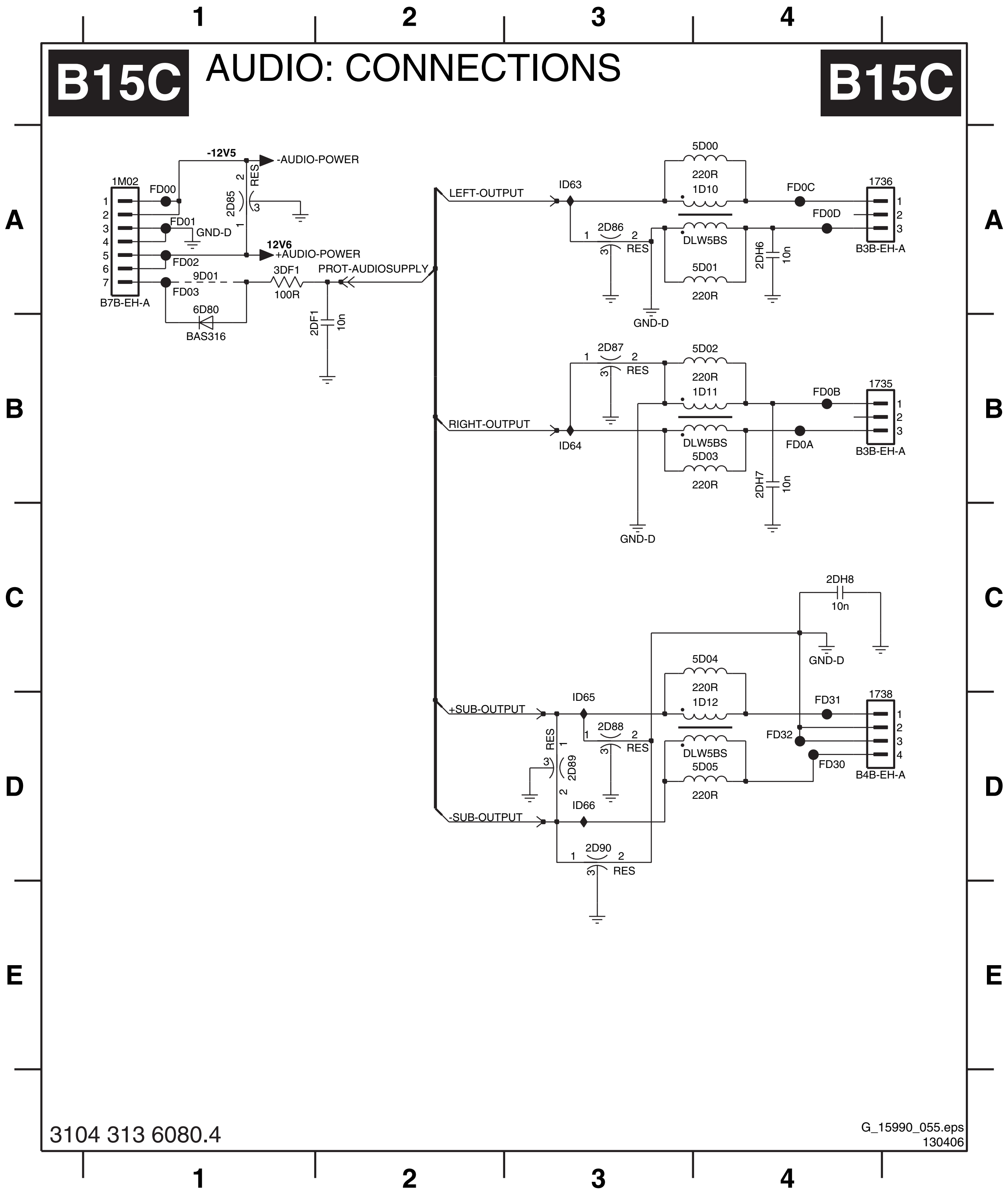
## SSB: Audio: Connections


B15C
AUDIO: CONNECTIONS
B15C
1M02
FD00
FD01
GND-D
FD02
FD03
9D01
6D80
BAS316
B7B-EH-A
-12V5
-AUDIO-POWER
2D85
RES
12V6
+AUDIO-POWER
3DF1
100R
PROT-AUDIOSUPPLY
2DF1
10n
LEFT-OUTPUT
ID63
2D86
RES
5D00
220R
1D10
DLW5BS
5D01
220R
GND-D
2DH6
10n
FD0C
FD0D
1736
B3B-EH-A
RIGHT-OUTPUT
ID64
2D87
RES
5D02
220R
1D11
DLW5BS
5D03
220R
GND-D
2DH7
10n
FD0B
FD0A
1735
B3B-EH-A
2DH8
10n
GND-D
+SUB-OUTPUT
ID65
2D88
RES
2D89
RES
5D04
220R
1D12
DLW5BS
5D05
220R
FD31
FD32
FD30
1738
B4B-EH-A
-SUB-OUTPUT
ID66
2D90
RES
3104 313 6080.4
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A
B
C
D
E
1
2
3
4

| | |
|---|---|
| 1735 | B4 |
| 1736 | A4 |
| 1738 | D4 |
| 1D10 | A4 |
| 1D11 | B4 |
| 1D12 | D4 |
| 1M02 | A1 |
| 2D85 | A1 |
| 2D86 | A3 |
| 2D87 | B3 |
| 2D88 | D3 |
| 2D89 | D3 |
| 2D90 | D3 |
| 2DF1 | B2 |
| 2DH6 | A4 |
| 2DH7 | B4 |
| 2DH8 | C4 |
| 3DF1 | A1 |
| 5D00 | A4 |
| 5D01 | A4 |
| 5D02 | B4 |
| 5D03 | B4 |
| 5D04 | C4 |
| 5D05 | D4 |
| 6D80 | A1 |
| 9D01 | A1 |
| FD00 | A1 |
| FD01 | A1 |
| FD02 | A1 |
| FD03 | A1 |
| FD0A | B4 |
| FD0B | B4 |
| FD0C | A4 |
| FD0D | A4 |
| FD30 | D4 |
| FD31 | D4 |
| FD32 | D4 |
| ID63 | A3 |
| ID64 | B3 |
| ID65 | D3 |
| ID66 | D3 |

## *Personal Notes:*

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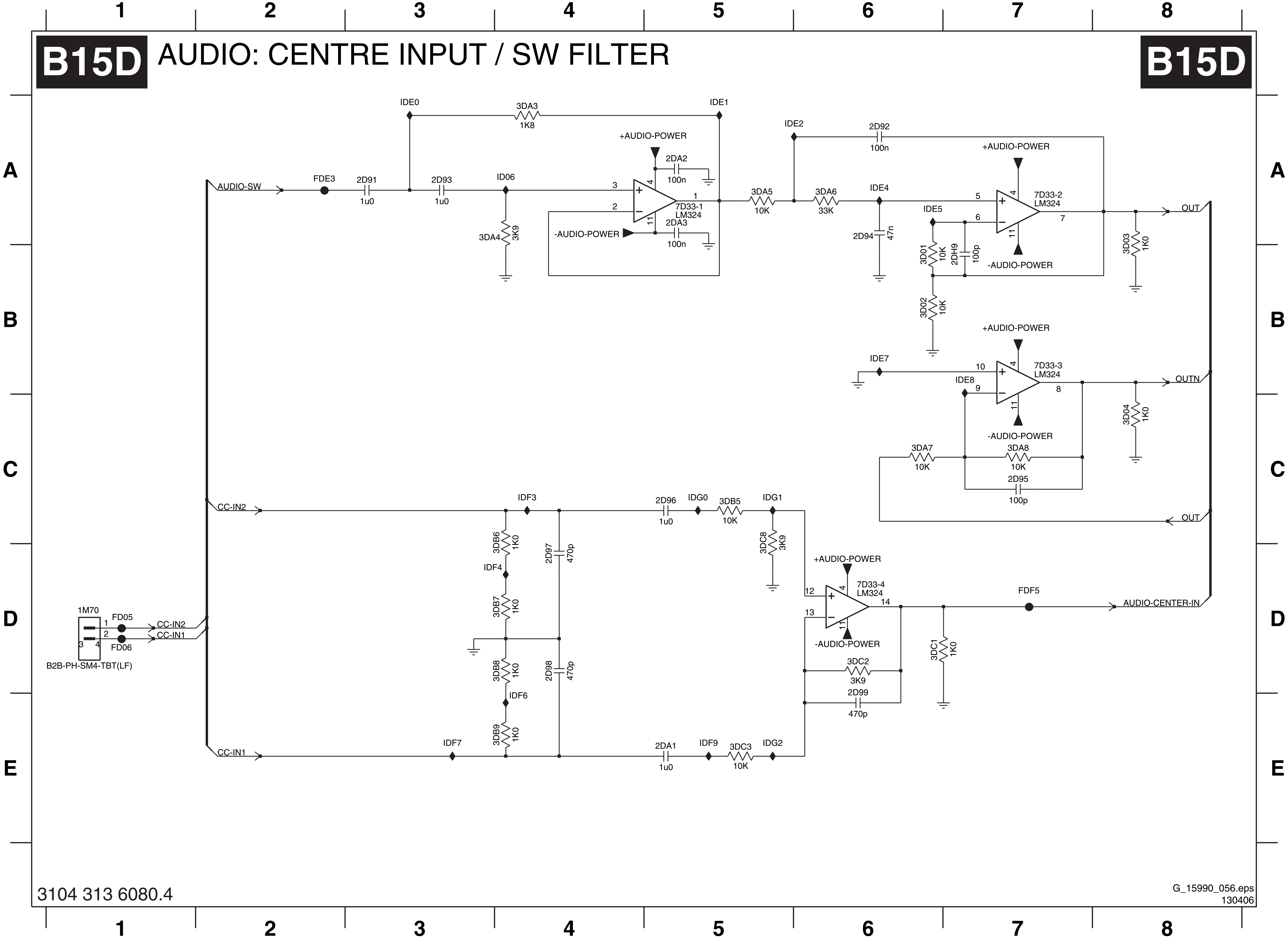
## SSB: Audio: Centre Input / SW Filter


1
2
3
4
5
6
7
8
A
B
C
D
E
B15D
AUDIO: CENTRE INPUT / SW FILTER
IDE0
3DA3
1K8
IDE1
IDE2
2D92
100n
+AUDIO-POWER
2DA2
100n
AUDIO-SW
FDE3
2D91
1u0
2D93
1u0
ID06
3
2
4
11
1
7D33-1
LM324
2DA3
100n
-AUDIO-POWER
3DA4
3K9
3DA5
10K
3DA6
33K
IDE4
IDE5
5
6
7
7D33-2
LM324
2D94
47n
3D01
10K
2DH9
100p
3D02
10K
OUT
3D03
1K0
IDE7
IDE8
10
9
8
7D33-3
LM324
OUTN
3D04
1K0
3DA7
10K
3DA8
10K
2D95
100p
OUT
CC-IN2
IDF3
2D96
1u0
IDG0
3DB5
10K
IDG1
3DB6
1K0
2D97
470p
3DC8
3K9
IDF4
3DB7
1K0
12
13
14
7D33-4
LM324
FDF5
AUDIO-CENTER-IN
1M70
FD05
FD06
CC-IN2
CC-IN1
B2B-PH-SM4-TBT(LF)
3DB8
1K0
2D98
470p
IDF6
3DC2
3K9
2D99
470p
3DC1
1K0
3DB9
1K0
IDF7
CC-IN1
2DA1
1u0
IDF9
3DC3
10K
IDG2
3104 313 6080.4
G_15990_056.eps
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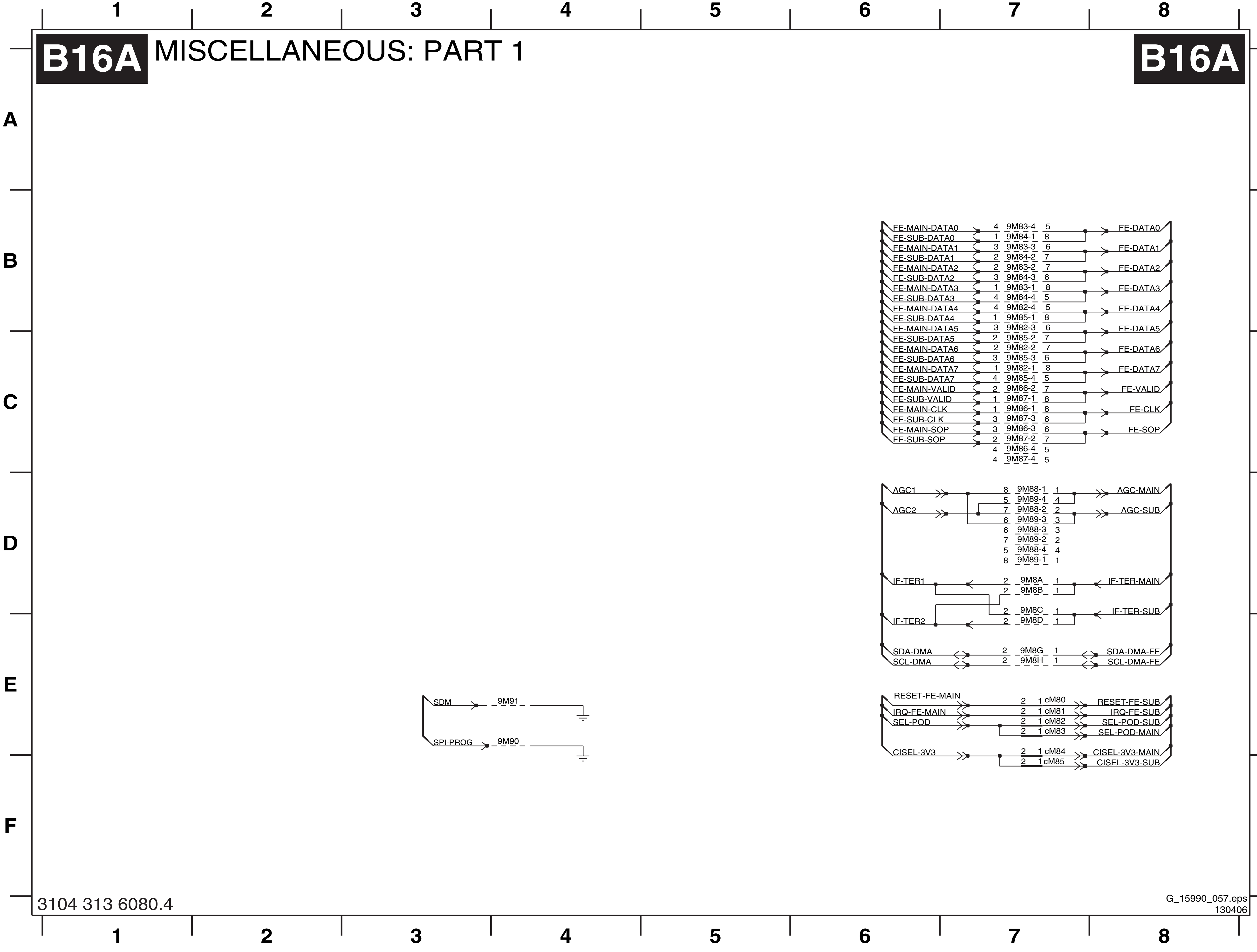
| | |
|---|---|
| 1M70 | D1 |
| 2D91 | A3 |
| 2D92 | A6 |
| 2D93 | A3 |
| 2D94 | A6 |
| 2D95 | C7 |
| 2D96 | C5 |
| 2D97 | D4 |
| 2D98 | D4 |
| 2D99 | E6 |
| 2DA1 | E5 |
| 2DA2 | A5 |
| 2DA3 | A5 |
| 2DH9 | B7 |
| 3D01 | B6 |
| 3D02 | B6 |
| 3D03 | A8 |
| 3D04 | C8 |
| 3DA3 | A4 |
| 3DA4 | A3 |
| 3DA5 | A5 |
| 3DA6 | A6 |
| 3DA7 | C6 |
| 3DA8 | C7 |
| 3DB5 | C5 |
| 3DB6 | C4 |
| 3DB7 | D4 |
| 3DB8 | D4 |
| 3DB9 | E4 |
| 3DC1 | D6 |
| 3DC2 | D6 |
| 3DC3 | E5 |
| 3DC8 | C5 |
| 7D33-1 | A5 |
| 7D33-2 | A7 |
| 7D33-3 | B7 |
| 7D33-4 | D6 |
| FD05 | D1 |
| FD06 | D1 |
| FDE3 | A2 |
| FDF5 | D7 |
| ID06 | A4 |
| IDE0 | A3 |
| IDE1 | A5 |
| IDE2 | A6 |
| IDE4 | A6 |
| IDE5 | A6 |
| IDE7 | B6 |
| IDE8 | B7 |
| IDF3 | C4 |
| IDF4 | D3 |
| IDF6 | E4 |
| IDF7 | E3 |
| IDF9 | E5 |
| IDG0 | C5 |
| IDG1 | C5 |
| IDG2 | E5 |

## SSB: Miscellaneous Part 1


B16A
MISCELLANEOUS: PART 1
B16A
1 2 3 4 5 6 7 8
A B C D E F
FE-MAIN-DATA0
FE-SUB-DATA0
FE-MAIN-DATA1
FE-SUB-DATA1
FE-MAIN-DATA2
FE-SUB-DATA2
FE-MAIN-DATA3
FE-SUB-DATA3
FE-MAIN-DATA4
FE-SUB-DATA4
FE-MAIN-DATA5
FE-SUB-DATA5
FE-MAIN-DATA6
FE-SUB-DATA6
FE-MAIN-DATA7
FE-SUB-DATA7
FE-MAIN-VALID
FE-SUB-VALID
FE-MAIN-CLK
FE-SUB-CLK
FE-MAIN-SOP
FE-SUB-SOP
9M83-4
9M84-1
9M83-3
9M84-2
9M83-2
9M84-3
9M83-1
9M84-4
9M82-4
9M85-1
9M82-3
9M85-2
9M82-2
9M85-3
9M82-1
9M85-4
9M86-2
9M87-1
9M86-1
9M87-3
9M86-3
9M87-2
9M86-4
9M87-4
FE-DATA0
FE-DATA1
FE-DATA2
FE-DATA3
FE-DATA4
FE-DATA5
FE-DATA6
FE-DATA7
FE-VALID
FE-CLK
FE-SOP
AGC1
AGC2
9M88-1
9M89-4
9M88-2
9M89-3
9M88-3
9M89-2
9M88-4
9M89-1
AGC-MAIN
AGC-SUB
IF-TER1
IF-TER2
9M8A
9M8B
9M8C
9M8D
IF-TER-MAIN
IF-TER-SUB
SDA-DMA
SCL-DMA
9M8G
9M8H
SDA-DMA-FE
SCL-DMA-FE
SDM
9M91
SPI-PROG
9M90
RESET-FE-MAIN
IRQ-FE-MAIN
SEL-POD
CISEL-3V3
cM80
cM81
cM82
cM83
cM84
cM85
RESET-FE-SUB
IRQ-FE-SUB
SEL-POD-SUB
SEL-POD-MAIN
CISEL-3V3-MAIN
CISEL-3V3-SUB
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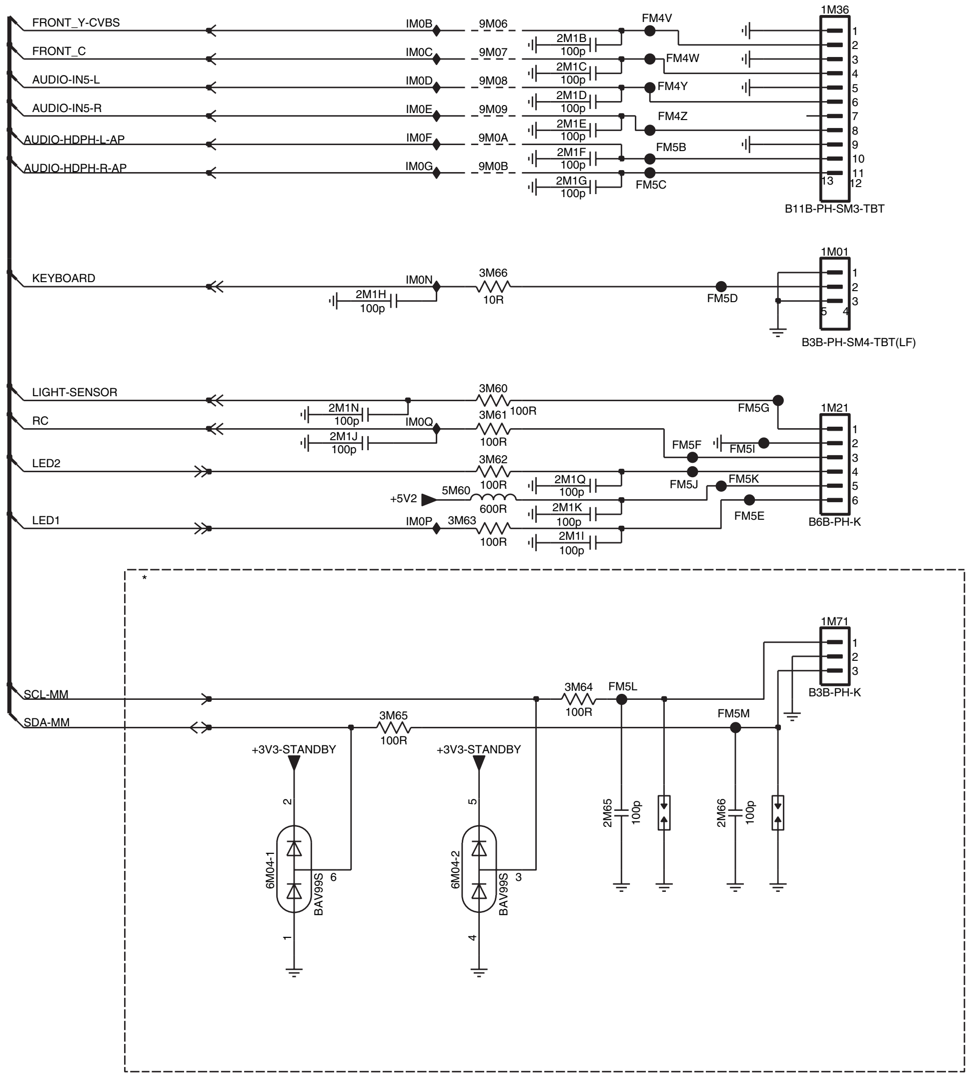
| | |
|---|---|
| 9M82-1 | C7 |
| 9M82-2 | C7 |
| 9M82-3 | B7 |
| 9M82-4 | B7 |
| 9M83-1 | B7 |
| 9M83-2 | B7 |
| 9M83-3 | B7 |
| 9M83-4 | B7 |
| 9M84-1 | B7 |
| 9M84-2 | B7 |
| 9M84-3 | B7 |
| 9M84-4 | B7 |
| 9M85-1 | B7 |
| 9M85-2 | C7 |
| 9M85-3 | C7 |
| 9M85-4 | C7 |
| 9M86-1 | C7 |
| 9M86-2 | C7 |
| 9M86-3 | C7 |
| 9M86-4 | C7 |
| 9M87-1 | C7 |
| 9M87-2 | C7 |
| 9M87-3 | C7 |
| 9M87-4 | C7 |
| 9M88-1 | D7 |
| 9M88-2 | D7 |
| 9M88-3 | D7 |
| 9M88-4 | D7 |
| 9M89-1 | D7 |
| 9M89-2 | D7 |
| 9M89-3 | D7 |
| 9M89-4 | D7 |
| 9M8A | D7 |
| 9M8B | D7 |
| 9M8C | D7 |
| 9M8D | E7 |
| 9M8G | E7 |
| 9M8H | E7 |
| 9M90 | E4 |
| 9M91 | E4 |
| cM80 | E7 |
| cM81 | E7 |
| cM82 | E7 |
| cM83 | E7 |
| cM84 | E7 |
| cM85 | F7 |

## SSB: Miscellaneous Part 2

# B16B MISCELLANEOUS: PART 2


FRONT_Y-CVBS
FRONT_C
AUDIO-IN5-L
AUDIO-IN5-R
AUDIO-HDPH-L-AP
AUDIO-HDPH-R-AP
IM0B
IM0C
IM0D
IM0E
IM0F
IM0G
9M06
9M07
9M08
9M09
9M0A
9M0B
2M1B 100p
2M1C 100p
2M1D 100p
2M1E 100p
2M1F 100p
2M1G 100p
FM4V
FM4W
FM4Y
FM4Z
FM5B
FM5C
1M36
1 2 3 4 5 6 7 8 9 10 11 12 13
B11B-PH-SM3-TBT
KEYBOARD
IM0N
2M1H 100p
3M66 10R
FM5D
1M01
1 2 3 4 5
B3B-PH-SM4-TBT(LF)
LIGHT-SENSOR
RC
LED2
LED1
2M1N 100p
2M1J 100p
IM0Q
3M60 100R
3M61 100R
3M62 100R
+5V2
5M60 600R
IM0P
3M63 100R
2M1Q 100p
2M1K 100p
2M1I 100p
FM5G
FM5F
FM5I
FM5J
FM5K
FM5E
1M21
1 2 3 4 5 6
B6B-PH-K
*
SCL-MM
SDA-MM
3M65 100R
3M64 100R
FM5L
FM5M
1M71
1 2 3
B3B-PH-K
+3V3-STANDBY
+3V3-STANDBY
6M04-1 BAV99S
1 2 6
6M04-2 BAV99S
3 4 5
2M65 100p
2M66 100p

|  |  |
|---|---|
| 1M01 | C9 |
| 1M21 | D9 |
| 1M36 | B9 |
| 1M71 | E9 |
| 2M1B | B8 |
| 2M1C | B8 |
| 2M1D | B8 |
| 2M1E | B8 |
| 2M1F | B8 |
| 2M1G | C8 |
| 2M1H | C7 |
| 2M1I | D8 |
| 2M1J | D7 |
| 2M1K | D8 |
| 2M1N | D7 |
| 2M1Q | D8 |
| 2M65 | F8 |
| 2M66 | F9 |
| 3M60 | D7 |
| 3M61 | D7 |
| 3M62 | D7 |
| 3M63 | D7 |
| 3M64 | E8 |
| 3M65 | E7 |
| 3M66 | C7 |
| 5M60 | D7 |
| 6M04-1 | F6 |
| 6M04-2 | F7 |
| 9M06 | B7 |
| 9M07 | B7 |
| 9M08 | B7 |
| 9M09 | B7 |
| 9M0A | B7 |
| 9M0B | B7 |
| FM4V | B8 |
| FM4W | B8 |
| FM4Y | B8 |
| FM4Z | B8 |
| FM5B | B8 |
| FM5C | C8 |
| FM5D | C9 |
| FM5E | D9 |
| FM5F | D8 |
| FM5G | D9 |
| FM5I | D9 |
| FM5J | D8 |
| FM5K | D9 |
| FM5L | E8 |
| FM5M | E9 |
| IM0B | B7 |
| IM0C | B7 |
| IM0D | B7 |
| IM0E | B7 |
| IM0F | B7 |
| IM0G | B7 |
| IM0N | C7 |
| IM0P | D7 |
| IM0Q | D7 |

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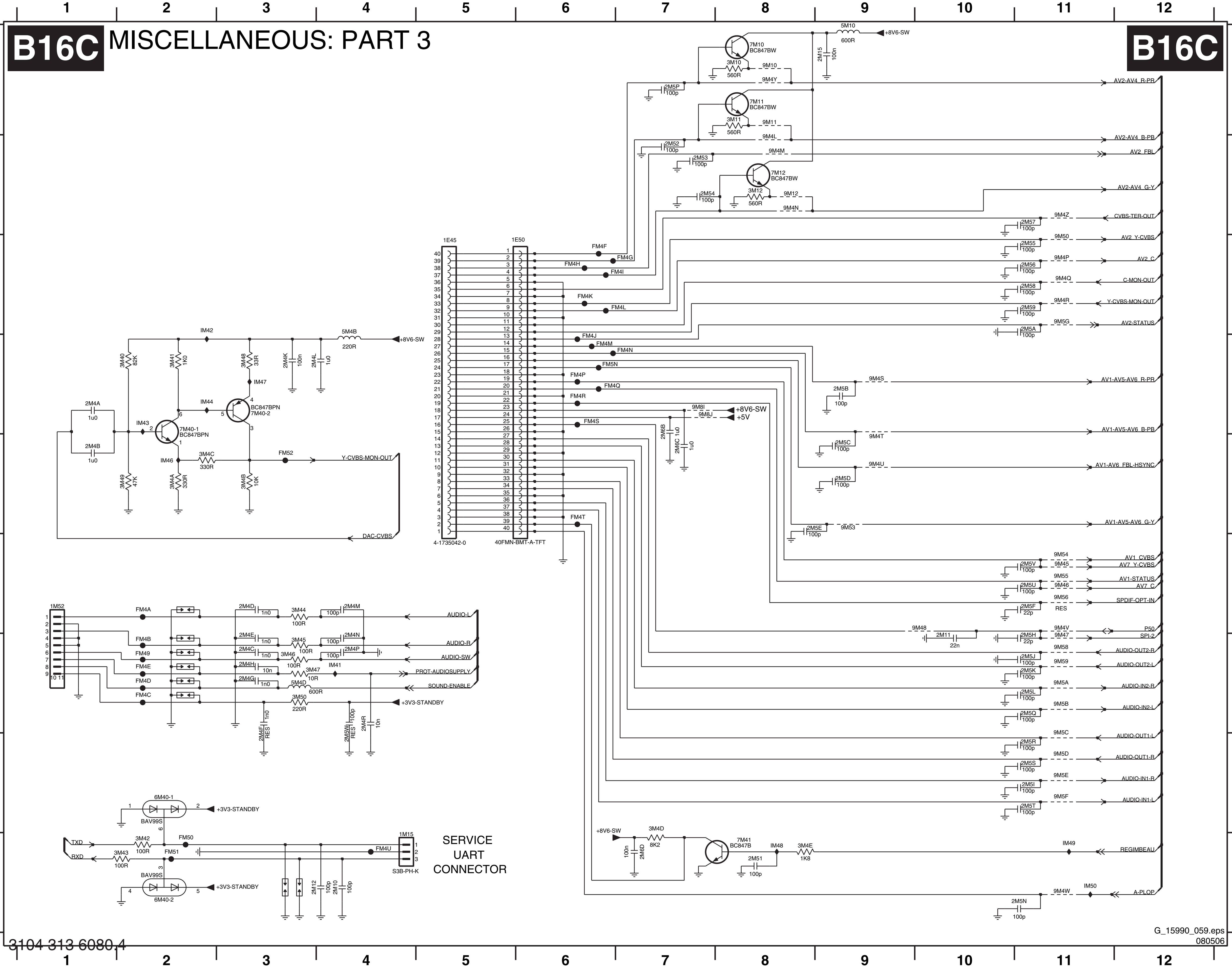
## SSB: Miscellaneous Part 3


B16C
MISCELLANEOUS: PART 3
B16C
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G H I
1E45
1E50
4-1735042-0
40FMN-BMT-A-TFT
7M10 BC847BW
7M11 BC847BW
7M12 BC847BW
7M40-1 BC847BPN
7M40-2 BC847BPN
7M41 BC847B
5M10 600R
5M4B 220R
5M4D 600R
+8V6-SW
+5V
+3V3-STANDBY
AV2-AV4_R-PR
AV2-AV4_B-PB
AV2_FBL
AV2-AV4_G-Y
CVBS-TER-OUT
AV2_Y-CVBS
AV2_C
C-MON-OUT
Y-CVBS-MON-OUT
AV2-STATUS
AV1-AV5-AV6_R-PR
AV1-AV5-AV6_B-PB
AV1-AV6_FBL-HSYNC
AV1-AV5-AV6_G-Y
AV1_CVBS
AV7_Y-CVBS
AV1-STATUS
AV7_C
SPDIF-OPT-IN
P50
SPI-2
AUDIO-OUT2-R
AUDIO-OUT2-L
AUDIO-IN2-R
AUDIO-IN2-L
AUDIO-OUT1-L
AUDIO-OUT1-R
AUDIO-IN1-R
AUDIO-IN1-L
REGIMBEAU
A-PLOP
Y-CVBS-MON-OUT
DAC-CVBS
AUDIO-L
AUDIO-R
AUDIO-SW
PROT-AUDIOSUPPLY
SOUND-ENABLE
1M52
1M15
S3B-PH-K
6M40-1 BAV99S
6M40-2 BAV99S
TXD
RXD
SERVICE
UART
CONNECTOR

3104 313 6080.4

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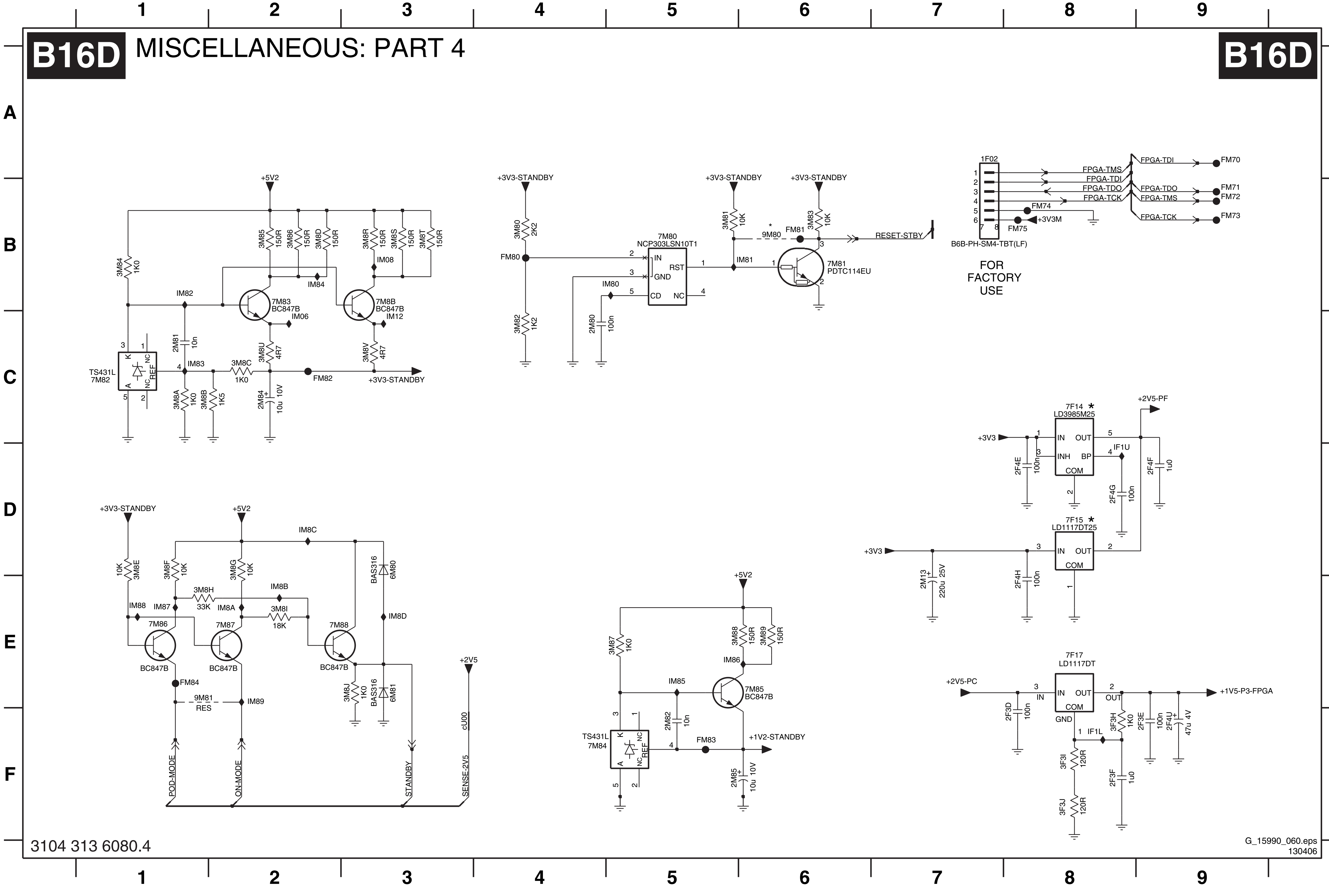
| | |
|---|---|
| 1E45 | C5 |
| 1E50 | C6 |
| 1M15 | I4 |
| 1M52 | F1 |
| 2M11 | G10 |
| 2M12 | I3 |
| 2M15 | A9 |
| 2M17 | I4 |
| 2M4A | D1 |
| 2M4B | E1 |
| 2M4C | G3 |
| 2M4D | F3 |
| 2M4E | G3 |
| 2M4F | H3 |
| 2M4G | G3 |
| 2M4H | G3 |
| 2M4K | D3 |
| 2M4L | D3 |
| 2M4M | F4 |
| 2M4N | G4 |
| 2M4P | G4 |
| 2M4R | G4 |
| 2M51 | I8 |
| 2M52 | B7 |
| 2M53 | B7 |
| 2M54 | B7 |
| 2M55 | C11 |
| 2M56 | C11 |
| 2M57 | B11 |
| 2M58 | C11 |
| 2M59 | C11 |
| 2M5A | C11 |
| 2M5B | D9 |
| 2M5C | E9 |
| 2M5D | E9 |
| 2M5E | E8 |
| 2M5F | F11 |
| 2M5H | G11 |
| 2M5I | H11 |
| 2M5J | G11 |
| 2M5K | G11 |
| 2M5L | G11 |
| 2M5N | I11 |
| 2M5P | A7 |
| 2M5Q | G11 |
| 2M5R | H11 |
| 2M5S | H11 |
| 2M5T | H11 |
| 2M5U | F11 |
| 2M5V | F11 |
| 2M5W | H4 |
| 2M6B | D7 |
| 2M6C | E7 |
| 2M6D | I7 |
| 3M10 | A8 |
| 3M11 | A8 |
| 3M12 | B8 |
| 3M40 | D2 |
| 3M41 | D2 |
| 3M42 | I2 |
| 3M43 | I2 |
| 3M44 | F3 |
| 3M45 | G3 |
| 3M46 | G3 |
| 3M47 | G3 |
| 3M48 | D3 |
| 3M49 | E2 |
| 3M4A | E2 |
| 3M4B | E3 |
| 3M4C | E2 |
| 3M4D | H7 |
| 3M4E | I8 |
| 3M50 | G3 |
| 5M10 | A9 |
| 5M4B | C4 |
| 5M4D | G3 |
| 6M40-1 | H2 |
| 6M40-2 | I2 |
| 7M10 | A8 |
| 7M11 | A8 |
| 7M12 | B8 |
| 7M40-1 | D2 |
| 7M40-2 | D3 |
| 7M41 | I8 |
| 9M10 | A8 |
| 9M11 | A8 |
| 9M12 | B8 |
| 9M45 | F11 |
| 9M46 | F11 |
| 9M47 | G11 |
| 9M48 | F10 |
| 9M4L | B8 |
| 9M4M | B8 |
| 9M4N | B8 |
| 9M4P | C11 |
| 9M4Q | C11 |
| 9M4R | C11 |
| 9M4S | D9 |
| 9M4T | E9 |
| 9M4U | E9 |
| 9M4V | F11 |
| 9M4W | I11 |
| 9M4Y | A8 |
| 9M4Z | B11 |
| 9M50 | C11 |
| 9M53 | E9 |
| 9M54 | F11 |
| 9M55 | F11 |
| 9M56 | F11 |
| 9M58 | G11 |
| 9M59 | G11 |
| 9M5A | G11 |
| 9M5B | G11 |
| 9M5C | H11 |
| 9M5D | H11 |
| 9M5E | H11 |
| 9M5F | H11 |
| 9M5G | C11 |
| 9M8I | D7 |
| 9M8J | D7 |
| FM49 | G2 |
| FM4A | F2 |
| FM4B | G2 |
| FM4C | G2 |
| FM4D | G2 |
| FM4E | G2 |
| FM4F | C6 |
| FM4G | C7 |
| FM4H | C6 |
| FM4I | C7 |
| FM4J | D6 |
| FM4K | C6 |
| FM4L | C7 |
| FM4M | D6 |
| FM4N | D7 |
| FM4P | D6 |
| FM4Q | D6 |
| FM4R | D6 |
| FM4S | D6 |
| FM4T | E6 |
| FM4U | I4 |
| FM50 | I2 |
| FM51 | I2 |
| FM52 | E3 |
| FM5N | D6 |
| IM41 | G4 |
| IM42 | C2 |
| IM43 | D2 |
| IM44 | D2 |
| IM46 | E2 |
| IM47 | D3 |
| IM48 | I8 |
| IM49 | I11 |
| IM50 | I11 |

## SSB: Miscellaneous Part 4


B16D
MISCELLANEOUS: PART 4
B16D
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
+5V2
3M84
1K0
IM82
2M81
10n
3M85
150R
3M86
150R
3M8D
150R
IM84
7M83
BC847B
IM06
3M8R
150R
3M8S
150R
3M8T
150R
IM08
7M8B
BC847B
IM12
3M8U
4R7
3M8V
4R7
TS431L
7M82
K
A
NC
REF
3
1
4
5
2
IM83
3M8C
1K0
FM82
+3V3-STANDBY
3M8A
1K0
3M8B
1K5
2M84
10u 10V
+3V3-STANDBY
3M80
2K2
FM80
3M82
1K2
7M80
NCP303LSN10T1
IN
GND
CD
RST
NC
IM80
2M80
100n
+3V3-STANDBY
3M81
10K
9M80
FM81
IM81
+3V3-STANDBY
3M83
10K
7M81
PDTC114EU
RESET-STBY
1F02
FPGA-TMS
FPGA-TDI
FPGA-TDO
FPGA-TCK
FM74
FM75
+3V3M
B6B-PH-SM4-TBT(LF)
FPGA-TDI
FPGA-TDO
FPGA-TMS
FPGA-TCK
FM70
FM71
FM72
FM73
FOR
FACTORY
USE
+2V5-PF
7F14
LD3985M25
+3V3
IN
INH
COM
OUT
BP
IF1U
2F4E
100n
2F4G
100n
2F4F
1u0
7F15
LD1117DT25
+3V3
2M13
220u 25V
2F4H
100n
IN
OUT
COM
+3V3-STANDBY
+5V2
IM8C
3M8E
10K
3M8F
10K
3M8G
10K
3M8H
33K
IM8B
IM88
IM87
IM8A
3M8I
18K
BAS316
6M80
IM8D
7M86
BC847B
7M87
BC847B
7M88
BC847B
FM84
9M81
RES
IM89
3M8J
1K0
BAS316
6M81
+2V5
cU00
POD-MODE
ON-MODE
STANDBY
SENSE-2V5
+5V2
3M87
1K0
3M88
150R
3M89
150R
IM86
IM85
7M85
BC847B
2M82
10n
TS431L
7M84
FM83
+1V2-STANDBY
2M85
10u 10V
7F17
LD1117DT
+2V5-PC
IN
OUT
COM
GND
2F3D
100n
3F3H
1K0
IF1L
2F3E
100n
2F4U
47u 4V
+1V5-P3-FPGA
3F3I
120R
3F3J
120R
2F3F
1u0
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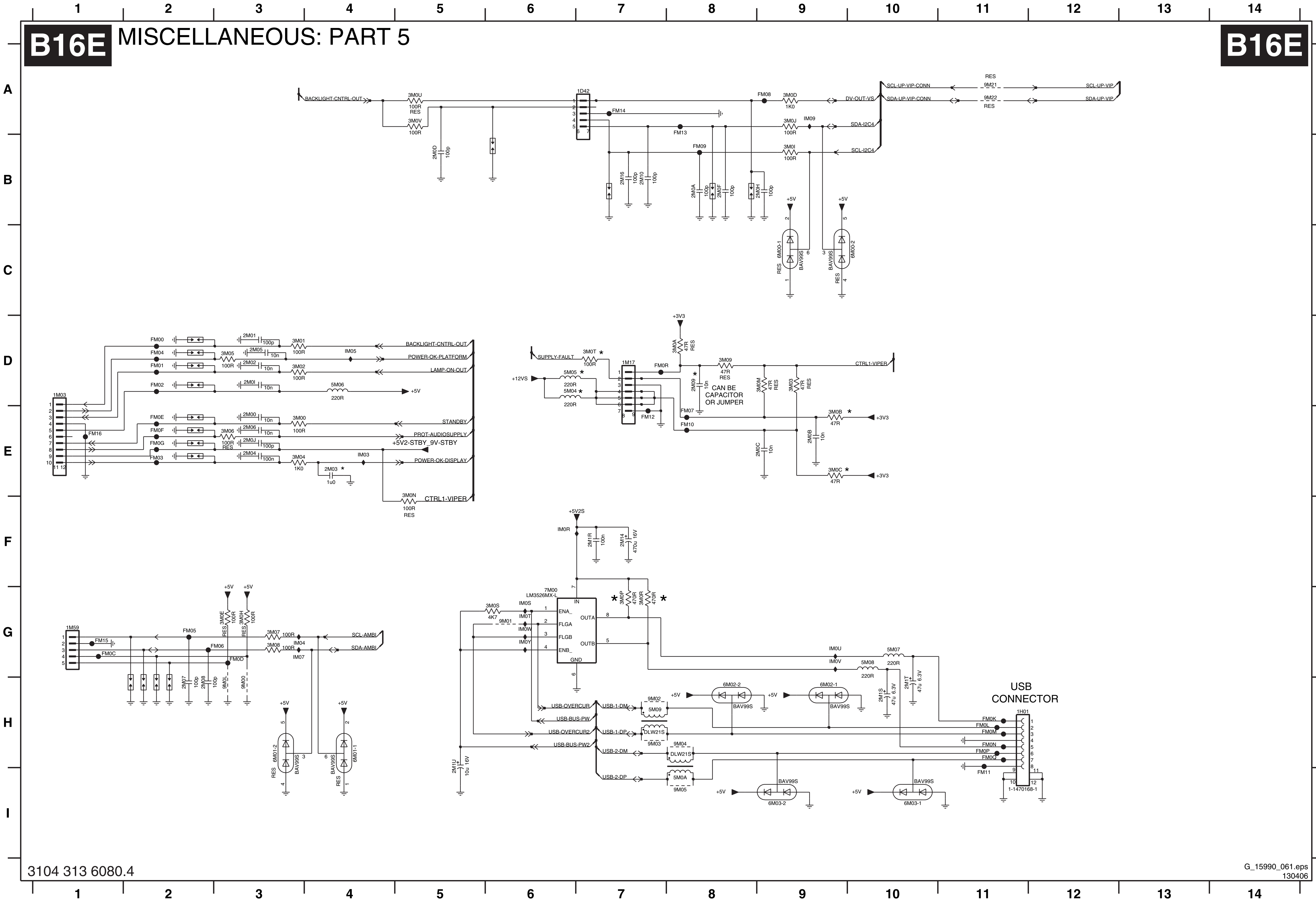
| | |
|---|---|
| 1F02 | A7 |
| 2F3D | F8 |
| 2F3E | F9 |
| 2F3F | F8 |
| 2F4E | D8 |
| 2F4F | D9 |
| 2F4G | D8 |
| 2F4H | E8 |
| 2F4U | F9 |
| 2M13 | E7 |
| 2M80 | C4 |
| 2M81 | C1 |
| 2M82 | F5 |
| 2M84 | C2 |
| 2M85 | F5 |
| 3F3H | F8 |
| 3F3I | F8 |
| 3F3J | F8 |
| 3M80 | B4 |
| 3M81 | B5 |
| 3M82 | C4 |
| 3M83 | B6 |
| 3M84 | B1 |
| 3M85 | B2 |
| 3M86 | B2 |
| 3M87 | E5 |
| 3M88 | E5 |
| 3M89 | E6 |
| 3M8A | C1 |
| 3M8B | C1 |
| 3M8C | C2 |
| 3M8D | B2 |
| 3M8E | D1 |
| 3M8F | D1 |
| 3M8G | D2 |
| 3M8H | E1 |
| 3M8I | E2 |
| 3M8J | E3 |
| 3M8R | B3 |
| 3M8S | B3 |
| 3M8T | B3 |
| 3M8U | C2 |
| 3M8V | C3 |
| 6M80 | D3 |
| 6M81 | E3 |
| 7F14 | C8 |
| 7F15 | D8 |
| 7F17 | E8 |
| 7M80 | B5 |
| 7M81 | B6 |
| 7M82 | C1 |
| 7M83 | B2 |
| 7M84 | F4 |
| 7M85 | E6 |
| 7M86 | E1 |
| 7M87 | E2 |
| 7M88 | E2 |
| 7M8B | B3 |
| 9M80 | B6 |
| 9M81 | E1 |
| FM70 | A9 |
| FM71 | B9 |
| FM72 | B9 |
| FM73 | B9 |
| FM74 | B8 |
| FM75 | B8 |
| FM80 | B4 |
| FM81 | B6 |
| FM82 | C2 |
| FM83 | F5 |
| FM84 | E1 |
| IF1L | F8 |
| IF1U | D8 |
| IM06 | C2 |
| IM08 | B3 |
| IM12 | C3 |
| IM80 | B5 |
| IM81 | B6 |
| IM82 | B1 |
| IM83 | C1 |
| IM84 | B2 |
| IM85 | E5 |
| IM86 | E5 |
| IM87 | E1 |
| IM88 | E1 |
| IM89 | E2 |
| IM8A | E2 |
| IM8B | E2 |
| IM8C | D2 |
| IM8D | E3 |
| cU00 | F3 |

## SSB: Miscellaneous Part 5


B16E
MISCELLANEOUS: PART 5
B16E
1 2 3 4 5 6 7 8 9 10 11 12 13 14
A B C D E F G H I
BACKLIGHT-CNTRL-OUT
1D42
FM14
FM13
FM09
FM08
DV-OUT-VS
SDA-I2C4
SCL-I2C4
SCL-UP-VIP-CONN
SDA-UP-VIP-CONN
SCL-UP-VIP
SDA-UP-VIP
9M21
9M22
RES
6M00-1
6M00-2
BAV99S
+5V
1M03
FM16
BACKLIGHT-CNTRL-OUT
POWER-OK-PLATFORM
LAMP-ON-OUT
STANDBY
PROT-AUDIOSUPPLY
+5V2-STBY_9V-STBY
POWER-OK-DISPLAY
CTRL1-VIPER
SUPPLY-FAULT
+12VS
+3V3
1M17
CAN BE
CAPACITOR
OR JUMPER
CTRL1-VIPER
FM0R
FM07
FM10
FM12
+5V2S
IM0R
7M00
LM3526MX-L
ENA_
FLGA
FLGB
ENB_
IN
OUTA
OUTB
GND
1M59
FM15
FM0C
FM05
FM06
FM0D
SCL-AMBI
SDA-AMBI
6M01-1
6M01-2
USB-OVERCUR
USB-BUS-PW
USB-OVERCUR2
USB-BUS-PW2
USB-1-DM
USB-1-DP
USB-2-DM
USB-2-DP
DLW21S
6M02-1
6M02-2
6M03-1
6M03-2
USB
CONNECTOR
1H01
1-1470168-1
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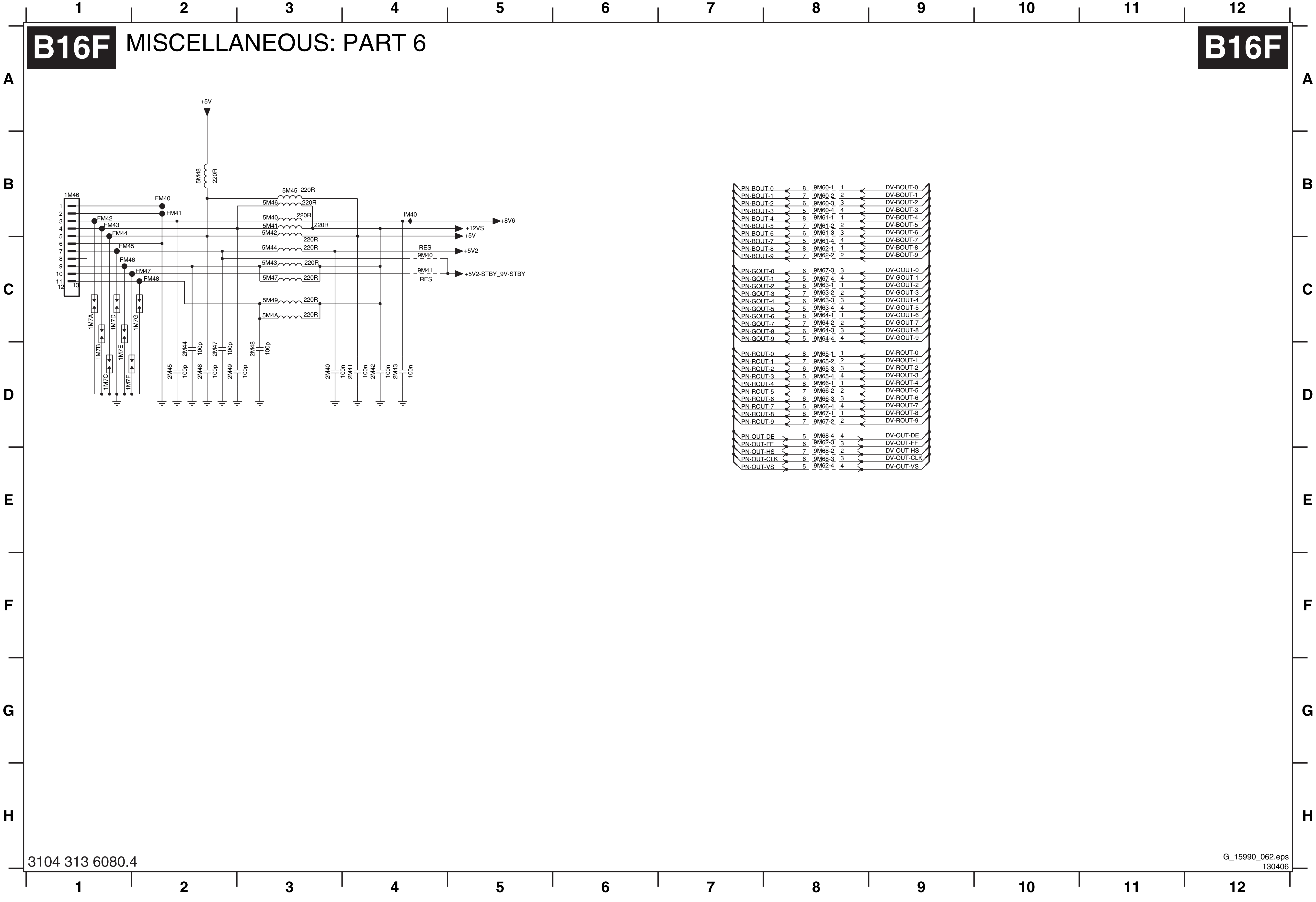
|  |  |
|---|---|
| 1D42 | A7 |
| 1H01 | H11 |
| 1M03 | D1 |
| 1M17 | D7 |
| 1M59 | G1 |
| 2M00 | E3 |
| 2M01 | D3 |
| 2M02 | D3 |
| 2M03 | E4 |
| 2M04 | E3 |
| 2M05 | D3 |
| 2M06 | E3 |
| 2M07 | H2 |
| 2M08 | H2 |
| 2M09 | D8 |
| 2M0A | B8 |
| 2M0B | E9 |
| 2M0C | E9 |
| 2M0D | B5 |
| 2M0F | B8 |
| 2M0H | B9 |
| 2M0I | D3 |
| 2M0J | E3 |
| 2M10 | B7 |
| 2M14 | F7 |
| 2M16 | B7 |
| 2M1R | F7 |
| 2M1S | H10 |
| 2M1T | H10 |
| 2M1U | H5 |
| 3M00 | E3 |
| 3M01 | D3 |
| 3M02 | D3 |
| 3M03 | D9 |
| 3M04 | E3 |
| 3M05 | D3 |
| 3M06 | E3 |
| 3M07 | G3 |
| 3M08 | G3 |
| 3M09 | D8 |
| 3M0A | D8 |
| 3M0B | E9 |
| 3M0C | E9 |
| 3M0D | A9 |
| 3M0E | G3 |
| 3M0H | G3 |
| 3M0I | B9 |
| 3M0J | A9 |
| 3M0M | D9 |
| 3M0N | F5 |
| 3M0P | G7 |
| 3M0R | G7 |
| 3M0S | G6 |
| 3M0T | D7 |
| 3M0U | A5 |
| 3M0V | A5 |
| 5M04 | D6 |
| 5M05 | D6 |
| 5M06 | D4 |
| 5M07 | G10 |
| 5M08 | G10 |
| 5M09 | H7 |
| 5M0A | I8 |
| 6M00-1 | C9 |
| 6M00-2 | C10 |
| 6M01-1 | H4 |
| 6M01-2 | H3 |
| 6M02-1 | H9 |
| 6M02-2 | H8 |
| 6M03-1 | I10 |
| 6M03-2 | I9 |
| 7M00 | G6 |
| 9M00 | H3 |
| 9M01 | G6 |
| 9M02 | H7 |
| 9M03 | H7 |
| 9M04 | H8 |
| 9M05 | I8 |
| 9M0L | H3 |
| 9M21 | A11 |
| 9M22 | A11 |
| FM00 | D2 |
| FM01 | D2 |
| FM02 | D2 |
| FM03 | E2 |
| FM04 | D2 |
| FM05 | G2 |
| FM06 | G3 |
| FM07 | E8 |
| FM08 | A9 |
| FM09 | B8 |
| FM0C | G1 |
| FM0D | G3 |
| FM0E | E2 |
| FM0F | E2 |
| FM0G | E2 |
| FM0K | H11 |
| FM0L | H11 |
| FM0M | H11 |
| FM0N | H11 |
| FM0P | H11 |
| FM0Q | H11 |
| FM0R | D7 |
| FM10 | E8 |
| FM11 | I11 |
| FM12 | E7 |
| FM13 | A8 |
| FM14 | A7 |
| FM15 | G1 |
| FM16 | E1 |
| IM03 | E4 |
| IM04 | G3 |
| IM05 | D4 |
| IM07 | G3 |
| IM09 | A9 |
| IM0R | F6 |
| IM0S | G6 |
| IM0T | G6 |
| IM0U | G9 |
| IM0V | G9 |
| IM0W | G6 |
| IM0Y | G6 |

## SSB: Miscellaneous Part 6


B16F
MISCELLANEOUS: PART 6
B16F
1M46
FM40
FM41
FM42
FM43
FM44
FM45
FM46
FM47
FM48
+5V
5M48
220R
5M45
5M46
5M40
5M41
5M42
5M44
5M43
5M47
5M49
5M4A
IM40
+8V6
+12VS
+5V
RES
9M40
+5V2
9M41
RES
+5V2-STBY_9V-STBY
1M7A
1M7B
1M7C
1M7D
1M7E
1M7F
1M7G
2M45
2M44
2M46
2M47
2M49
2M48
100p
2M40
2M41
2M42
2M43
100n
PN-BOUT-0
PN-GOUT-0
PN-ROUT-0
PN-OUT-DE
PN-OUT-FF
PN-OUT-HS
PN-OUT-CLK
PN-OUT-VS
DV-BOUT-0
DV-GOUT-0
DV-ROUT-0
DV-OUT-DE
DV-OUT-FF
DV-OUT-HS
DV-OUT-CLK
DV-OUT-VS
9M60-1
9M61-1
9M62-1
9M63-1
9M64-1
9M65-1
9M66-1
9M67-1
9M68-2
A
B
C
D
E
F
G
H
1
2
3
4
5
6
7
8
9
10
11
12
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| | |
|---|---|
| 1M46 | B1 |
| 1M7A | C1 |
| 1M7B | D1 |
| 1M7C | D1 |
| 1M7D | C1 |
| 1M7E | D1 |
| 1M7F | D1 |
| 1M7G | C2 |
| 2M40 | D3 |
| 2M41 | D4 |
| 2M42 | D4 |
| 2M43 | D4 |
| 2M44 | D2 |
| 2M45 | D2 |
| 2M46 | D2 |
| 2M47 | D2 |
| 2M48 | D3 |
| 2M49 | D2 |
| 5M40 | B3 |
| 5M41 | B3 |
| 5M42 | B3 |
| 5M43 | C3 |
| 5M44 | C3 |
| 5M45 | B3 |
| 5M46 | B3 |
| 5M47 | C3 |
| 5M48 | B2 |
| 5M49 | C3 |
| 5M4A | C3 |
| 9M40 | C4 |
| 9M41 | C4 |
| 9M60-1 | B8 |
| 9M60-2 | B8 |
| 9M60-3 | B8 |
| 9M60-4 | B8 |
| 9M61-1 | B8 |
| 9M61-2 | B8 |
| 9M61-3 | B8 |
| 9M61-4 | C8 |
| 9M62-1 | C8 |
| 9M62-2 | C8 |
| 9M62-3 | D8 |
| 9M62-4 | E8 |
| 9M63-1 | C8 |
| 9M63-2 | C8 |
| 9M63-3 | C8 |
| 9M63-4 | C8 |
| 9M64-1 | C8 |
| 9M64-2 | C8 |
| 9M64-3 | C8 |
| 9M64-4 | C8 |
| 9M65-1 | D8 |
| 9M65-2 | D8 |
| 9M65-3 | D8 |
| 9M65-4 | D8 |
| 9M66-1 | D8 |
| 9M66-2 | D8 |
| 9M66-3 | D8 |
| 9M66-4 | D8 |
| 9M67-1 | D8 |
| 9M67-2 | D8 |
| 9M67-3 | C8 |
| 9M67-4 | C8 |
| 9M68-2 | E8 |
| 9M68-3 | E8 |
| 9M68-4 | D8 |
| FM40 | B2 |
| FM41 | B2 |
| FM42 | B1 |
| FM43 | B1 |
| FM44 | B1 |
| FM45 | C1 |
| FM46 | C1 |
| FM47 | C2 |
| FM48 | C2 |
| IM40 | B4 |

# SSB: SRP Overview Part 1

| Net Name | Diagram |
|---|---|
| +12V-DC | B01a (3x) |
| +12V-DC | B01b (1x) |
| +12VS | B01a (2x) |
| +12VS | B16e (2x) |
| +12VS | B16f (2x) |
| +12VSW | B01a (2x) |
| +12VSW | B01c (2x) |
| +12VSW | B04b (4x) |
| +12VSW | B04i (8x) |
| +12VSW | B05c (2x) |
| +12VSW | B05e (2x) |
| +12VSW | B08f (2x) |
| +1V2 | B01a (8x) |
| +1V2 | B05e (2x) |
| +1V2 | B07d (14x) |
| +1V2-FPGA | B08b (1x) |
| +1V2-FPGA | B08c (2x) |
| +1V2-FPGA-SENSE | B01c (1x) |
| +1V2M | B08g (17x) |
| +1V2-PF | B08g (1x) |
| +1V2-PLL | B08b (1x) |
| +1V2-PLL | B08c (1x) |
| +1V2-STANDBY | B05e (1x) |
| +1V2-STANDBY | B05f (1x) |
| +1V2-STANDBY | B16d (2x) |
| +1V5-P3 | B08e (2x) |
| +1V5-P3-FPGA | B08e (4x) |
| +1V5-P3-FPGA | B16d (4x) |
| +1V5-PLL | B08e (2x) |
| +1V5-RX | B08e (2x) |
| +1V5-SP-CORE | B06c (5x) |
| +1V5-SP-CORE | B06d (1x) |
| +1V5-TX | B08e (2x) |
| +1V8 | B09c (5x) |
| +1V8DVB-MAIN | B02b (7x) |
| +1V8DVB-SUB | B03b (7x) |
| +2V5 | B01a (14x) |
| +2V5 | B05d (2x) |
| +2V5 | B05e (2x) |
| +2V5 | B06b (2x) |
| +2V5 | B06c (4x) |
| +2V5 | B06d (2x) |
| +2V5 | B07d (6x) |
| +2V5 | B16d (2x) |
| +2V5D | B01a (8x) |
| +2V5D | B07b (2x) |
| +2V5D | B07d (2x) |
| +2V5D-DDR | B07b (6x) |
| +2V5-DDR | B05d (4x) |
| +2V5-DDRPNX | B05d (1x) |
| +2V5-DDRPNX | B05f (1x) |
| +2V5-FPGA | B08b (1x) |
| +2V5-FPGA | B08c (1x) |
| +2V5M | B08g (21x) |
| +2V5-N | B05c (2x) |
| +2V5-P3 | B08e (2x) |
| +2V5-PC | B01a (2x) |
| +2V5-PC | B16d (2x) |
| +2V5-PF | B08e (4x) |
| +2V5-PF | B08g (2x) |
| +2V5-PF | B16d (4x) |
| +2V5-PLL | B08e (2x) |
| +2V5-S | B05c (1x) |
| +2V5-S | B05f (1x) |
| +2V5-SPDDR | B06b (3x) |
| +2V5-SP-DDR | B06b (1x) |
| +2V5-SP-DDR | B06c (2x) |
| +2V5-SP-TUN | B06a (2x) |
| +2V5-SP-TUN | B06c (2x) |
| +2V5-VPR | B07b (1x) |
| +2V5-VPR | B07c (1x) |
| +2V5-VPR | B07d (3x) |
| +2V8 | B01a (2x) |
| +33VREG | B02a (2x) |
| +33VREG | B03a (2x) |
| +33VTUN-SUB | B03a (2x) |
| +3V3 | B01a (6x) |
| +3V3 | B02b (8x) |
| +3V3 | B03b (6x) |
| +3V3 | B05a (2x) |
| +3V3 | B05e (2x) |
| +3V3 | B05f (14x) |
| +3V3 | B06c (2x) |
| +3V3 | B07a (40x) |
| +3V3 | B07c (2x) |
| +3V3 | B07d (8x) |
| +3V3 | B08d (2x) |
| +3V3 | B08e (8x) |
| +3V3 | B08f (16x) |
| +3V3 | B08g (8x) |
| +3V3 | B09b (2x) |
| +3V3 | B09c (8x) |
| +3V3 | B10a (20x) |
| +3V3 | B10b (6x) |
| +3V3 | B10c (14x) |
| +3V3 | B10d (6x) |
| +3V3 | B11b (2x) |
| +3V3 | B12a (24x) |
| +3V3 | B12b (2x) |
| +3V3 | B13 (4x) |
| +3V3 | B14a (4x) |
| +3V3 | B14b (2x) |
| +3V3 | B16e (6x) |
| +3V3-AV | B09c (2x) |
| +3V3BUFF | B14b (4x) |
| +3V3DVB-MAIN | B02b (10x) |
| +3V3DVB-SUB | B03b (10x) |
| +3V3-ET-ANA | B13 (4x) |
| +3V3-ET-DIG | B13 (6x) |
| +3V3-FPGA | B08b (4x) |
| +3V3M | B08g (74x) |
| +3V3M | B16d (2x) |
| +3V3-P3 | B08e (7x) |
| +3V3-SD1 | B08d (3x) |
| +3V3-SP-GEN | B06a (5x) |
| +3V3-SP-GEN | B06c (2x) |
| +3V3-SP-GEN | B06d (1x) |
| +3V3-STANDBY | B05d (6x) |
| +3V3-STANDBY | B05e (32x) |
| +3V3-STANDBY | B08f (6x) |
| +3V3-STANDBY | B15a (4x) |
| +3V3-STANDBY | B16b (4x) |
| +3V3-STANDBY | B16c (6x) |
| +3V3-STANDBY | B16d (10x) |
| +3V3-UART | B12b (2x) |
| +3V3-VCCA | B14a (2x) |
| +3V3-VCCD | B14a (15x) |
| +5V | B02a (4x) |
| +5V | B02b (6x) |
| +5V | B03a (4x) |
| +5V | B03b (4x) |
| +5V | B05e (2x) |
| +5V | B09c (2x) |
| +5V | B10a (4x) |
| +5V | B11a (12x) |
| +5V | B16c (2x) |
| +5V | B16e (22x) |
| +5V | B16f (4x) |
| +5V2 | B01a (4x) |
| +5V2 | B05c (2x) |
| +5V2 | B05e (12x) |
| +5V2 | B08f (4x) |
| +5V2 | B10d (4x) |
| +5V2 | B11a (4x) |
| +5V2 | B11b (10x) |
| +5V2 | B12b (2x) |
| +5V2 | B16b (2x) |
| +5V2 | B16d (6x) |
| +5V2 | B16f (2x) |
| +5V2S | B04b (2x) |
| +5V2S | B04f (2x) |
| +5V2S | B04i (4x) |
| +5V2S | B08f (8x) |
| +5V2S | B11b (2x) |
| +5V2S | B16e (2x) |
| +5V2-STBY_9V-STBY | B16e (1x) |
| +5V2-STBY_9V-STBY | B16f (1x) |
| +5VaM | B04c (3x) |
| +5VaS | B04g (3x) |
| +5V-AUD | B04b (1x) |
| +5V-AUD | B04i (2x) |
| +5VMPIF-MAIN | B04c (1x) |
| +5VMPIF-SUB | B04g (1x) |
| +5VREG | B02a (2x) |
| +5VREG | B03a (2x) |
| +5VTUN_MPIF | B03a (2x) |
| +5VTUN_MPIF | B04b (2x) |
| +5VTUN_MPIF | B04c (2x) |
| +5VTUN_MPIF | B04g (2x) |
| +5VTUN-MAIN | B02a (5x) |
| +5VTUN-SUB | B03a (7x) |
| +8V6 | B16f (2x) |
| +8V6-SW | B01b (2x) |
| +8V6-SW | B03a (2x) |
| +8V6-SW | B04b (2x) |
| +8V6-SW | B04f (2x) |
| +8V6-SW | B05e (2x) |
| +8V6-SW | B06d (2x) |
| +8V6-SW | B08f (8x) |
| +8V6-SW | B16c (8x) |
| +8VaM | B04c (5x) |
| +8VaS | B04g (5x) |
| +8V-AUD | B04b (2x) |
| +8VMPIF-MAIN | B04b (1x) |
| +8VMPIF-MAIN | B04c (1x) |
| +8VMPIF-SUB | B04f (1x) |
| +8VMPIF-SUB | B04g (1x) |
| +AUDIO-POWER | B15a (7x) |
| +AUDIO-POWER | B15b (3x) |
| +AUDIO-POWER | B15c (1x) |
| +AUDIO-POWER | B15d (4x) |
| +SUB-OUTPUT | B15b (2x) |
| +SUB-OUTPUT | B15c (1x) |
| +VDISP_+1V2FPGA | B01c (2x) |
| +VDISP_+1V2FPGA | B08f (2x) |
| +VTUN | B01b (2x) |
| +VTUN | B03a (2x) |
| 1V8-PLL | B09c (3x) |
| 3V3-APLL | B09c (2x) |
| 3V3-AVI | B09c (3x) |
| 3V3-DIG | B09b (4x) |
| 3V3-DIG | B09c (5x) |
| 3V3-PLL | B09c (2x) |
| A(0) | B06b (2x) |
| A(1) | B06b (2x) |
| A(10) | B06b (2x) |
| A(11) | B06b (2x) |
| A(2) | B06b (2x) |
| A(3) | B06b (2x) |
| A(4) | B06b (2x) |
| A(5) | B06b (2x) |
| A(6) | B06b (2x) |
| A(7) | B06b (2x) |
| A(8) | B06b (2x) |
| A(9) | B06b (2x) |
| ADAC1 | B04i (1x) |
| ADAC1 | B05a (1x) |
| ADAC2 | B04i (1x) |
| ADAC2 | B05a (1x) |
| ADAC4 | B04i (1x) |
| ADAC4 | B05a (1x) |
| ADAC7 | B04i (1x) |
| ADAC7 | B05a (1x) |
| ADAC8 | B04i (1x) |
| ADAC8 | B05a (1x) |
| ADLE | B10a (1x) |
| ADLE | B10c (2x) |
| ADOE | B10a (1x) |
| ADOE | B10b (1x) |
| ADOE | B10c (2x) |
| AGC1 | B04g (1x) |
| AGC1 | B16a (1x) |
| AGC2 | B04c (1x) |
| AGC2 | B16a (1x) |
| AGC-IF-MAIN | B02a (1x) |
| AGC-IF-MAIN | B02b (1x) |
| AGC-IF-SUB | B03a (1x) |
| AGC-IF-SUB | B03b (1x) |
| AGC-MAIN | B02a (1x) |
| AGC-MAIN | B16a (1x) |
| AGC-SUB | B03a (1x) |
| AGC-SUB | B16a (1x) |
| AGC-TUN-MAIN | B02a (1x) |
| AGC-TUN-MAIN | B02b (1x) |
| AGC-TUN-SUB | B03a (1x) |
| AGC-TUN-SUB | B03b (1x) |
| AIN-5V | B09a (3x) |
| ALE | B05e (2x) |
| A-PLOP | B05c (1x) |
| A-PLOP | B07a (1x) |
| A-PLOP | B11a (2x) |
| A-PLOP | B11b (1x) |
| A-PLOP | B16c (1x) |
| ARX0- | B09a (1x) |
| ARX0- | B09b (1x) |
| ARX0+ | B09a (1x) |
| ARX0+ | B09b (1x) |
| ARX1- | B09a (1x) |
| ARX1- | B09b (1x) |
| ARX1+ | B09a (1x) |
| ARX1+ | B09b (1x) |
| ARX2- | B09a (1x) |
| ARX2- | B09b (1x) |
| ARX2+ | B09a (1x) |
| ARX2+ | B09b (1x) |
| ARXC- | B09a (1x) |
| ARXC- | B09b (1x) |
| ARXC+ | B09a (1x) |
| ARXC+ | B09b (1x) |
| ARX-DDC-SCL | B09a (2x) |
| ARX-DDC-SDA | B09a (2x) |
| ARX-HOTPLUG | B09a (2x) |
| ASDO | B08b (2x) |
| ASDO | B08c (1x) |
| AUDIO-CENTER-IN | B04d (1x) |
| AUDIO-CENTER-IN | B04h (1x) |
| AUDIO-CENTER-IN | B15d (1x) |
| AUDIO-HDPH-L | B04i (1x) |
| AUDIO-HDPH-L | B11b (1x) |
| AUDIO-HDPH-L-AP | B11b (1x) |
| AUDIO-HDPH-L-AP | B16b (1x) |
| AUDIO-HDPH-R | B04i (1x) |
| AUDIO-HDPH-R | B11b (1x) |
| AUDIO-HDPH-R-AP | B11b (1x) |
| AUDIO-HDPH-R-AP | B16b (1x) |
| AUDIO-IN1-L | B04d (1x) |
| AUDIO-IN1-L | B04h (1x) |
| AUDIO-IN1-L | B16c (1x) |
| AUDIO-IN1-R | B04d (1x) |
| AUDIO-IN1-R | B04h (1x) |
| AUDIO-IN1-R | B16c (1x) |
| AUDIO-IN2-L | B04d (1x) |
| AUDIO-IN2-L | B04h (1x) |
| AUDIO-IN2-L | B16c (1x) |
| AUDIO-IN2-R | B04d (1x) |
| AUDIO-IN2-R | B04h (1x) |
| AUDIO-IN2-R | B16c (1x) |
| AUDIO-IN3-L | B04d (1x) |
| AUDIO-IN3-L | B04h (1x) |
| AUDIO-IN3-L | B11a (1x) |
| AUDIO-IN3-R | B04d (1x) |
| AUDIO-IN3-R | B04h (1x) |
| AUDIO-IN3-R | B11a (1x) |
| AUDIO-IN4-L | B04d (1x) |
| AUDIO-IN4-L | B04h (1x) |
| AUDIO-IN4-L | B11a (1x) |
| AUDIO-IN4-R | B04d (1x) |
| AUDIO-IN4-R | B04h (1x) |
| AUDIO-IN4-R | B11a (1x) |
| AUDIO-IN5-L | B04d (1x) |
| AUDIO-IN5-L | B04h (1x) |
| AUDIO-IN5-L | B16b (1x) |
| AUDIO-IN5-R | B04d (1x) |
| AUDIO-IN5-R | B04h (1x) |
| AUDIO-IN5-R | B16b (1x) |
| AUDIO-L | B04i (1x) |
| AUDIO-L | B15a (1x) |
| AUDIO-L | B16c (1x) |
| AUDIO-OUT1-L | B04d (1x) |
| AUDIO-OUT1-L | B16c (1x) |
| AUDIO-OUT1-R | B04d (1x) |
| AUDIO-OUT1-R | B16c (1x) |
| AUDIO-OUT2-L | B04d (1x) |
| AUDIO-OUT2-L | B16c (1x) |
| AUDIO-OUT2-R | B04d (1x) |
| AUDIO-OUT2-R | B16c (1x) |
| AUDIO-OUT3-L | B04d (1x) |
| AUDIO-OUT3-L | B11a (1x) |
| AUDIO-OUT3-R | B04d (1x) |
| AUDIO-OUT3-R | B11a (1x) |
| -AUDIO-POWER | B15a (6x) |
| -AUDIO-POWER | B15b (5x) |
| -AUDIO-POWER | B15c (1x) |
| -AUDIO-POWER | B15d (4x) |
| AUDIO-R | B04i (1x) |
| AUDIO-R | B15a (1x) |
| AUDIO-R | B16c (1x) |
| AUDIO-SW | B04i (1x) |
| AUDIO-SW | B15d (1x) |
| AUDIO-SW | B16c (1x) |
| AV1_CVBS | B04a (1x) |
| AV1_CVBS | B04e (1x) |
| AV1_CVBS | B16c (1x) |
| AV1-AV5-AV6_B-PB | B04e (1x) |
| AV1-AV5-AV6_B-PB | B16c (1x) |
| AV1-AV5-AV6_B-PB-A | B04e (1x) |
| AV1-AV5-AV6_B-PB-A | B09b (1x) |
| AV1-AV5-AV6_B-PB-A | B11a (1x) |
| AV1-AV5-AV6_B-PB-D | B04a (1x) |
| AV1-AV5-AV6_B-PB-D | B04e (2x) |
| AV1-AV5-AV6_G-Y | B04e (1x) |
| AV1-AV5-AV6_G-Y | B16c (1x) |
| AV1-AV5-AV6_G-Y-A | B04e (1x) |
| AV1-AV5-AV6_G-Y-A | B09b (2x) |
| AV1-AV5-AV6_G-Y-A | B11a (1x) |
| AV1-AV5-AV6_G-Y-D | B04a (1x) |
| AV1-AV5-AV6_G-Y-D | B04e (2x) |
| AV1-AV5-AV6_R-PR | B04e (1x) |
| AV1-AV5-AV6_R-PR | B16c (1x) |
| AV1-AV5-AV6_R-PR-A | B04e (1x) |
| AV1-AV5-AV6_R-PR-A | B09b (1x) |
| AV1-AV5-AV6_R-PR-A | B11a (1x) |
| AV1-AV5-AV6_R-PR-D | B04a (1x) |
| AV1-AV5-AV6_R-PR-D | B04e (2x) |
| AV1-AV6_FBL-HSYNC | B05a (2x) |
| AV1-AV6_FBL-HSYNC | B16c (1x) |
| AV1-STATUS | B05e (2x) |
| AV1-STATUS | B16c (1x) |
| AV2_C | B04a (1x) |
| AV2_C | B04e (1x) |
| AV2_C | B16c (1x) |
| AV2_FBL | B05a (2x) |
| AV2_FBL | B16c (1x) |
| AV2_Y-CVBS | B04a (1x) |
| AV2_Y-CVBS | B04e (1x) |
| AV2_Y-CVBS | B16c (1x) |
| AV2-AV4_B-PB | B04e (2x) |
| AV2-AV4_B-PB | B16c (1x) |
| AV2-AV4_B-PB-A | B04e (1x) |
| AV2-AV4_B-PB-A | B09b (1x) |
| AV2-AV4_B-PB-D | B04a (1x) |
| AV2-AV4_B-PB-D | B04e (1x) |
| AV2-AV4_G-Y | B04e (2x) |
| AV2-AV4_G-Y | B16c (1x) |
| AV2-AV4_G-Y-A | B04e (1x) |
| AV2-AV4_G-Y-A | B09b (2x) |
| AV2-AV4_G-Y-D | B04a (1x) |
| AV2-AV4_G-Y-D | B04e (1x) |
| AV2-AV4_R-PR | B04e (2x) |
| AV2-AV4_R-PR | B16c (1x) |
| AV2-AV4_R-PR-A | B04e (1x) |
| AV2-AV4_R-PR-A | B09b (1x) |
| AV2-AV4_R-PR-D | B04a (1x) |
| AV2-AV4_R-PR-D | B04e (1x) |
| AV2-STATUS | B05e (2x) |
| AV2-STATUS | B16c (1x) |
| AV6_VSYNC | B05a (2x) |
| AV7_C | B04a (1x) |
| AV7_C | B04e (1x) |
| AV7_C | B16c (1x) |
| AV7_Y-CVBS | B04a (1x) |
| AV7_Y-CVBS | B04e (1x) |
| AV7_Y-CVBS | B16c (1x) |
| BA0 | B06b (2x) |
| BA1 | B06b (2x) |
| BACKLIGHT-CNTRL-OUT | B08f (1x) |
| BACKLIGHT-CNTRL-OUT | B16e (2x) |
| BACKLIGHT-CONTROL | B08e (1x) |
| BACKLIGHT-CONTROL | B08f (1x) |
| BACKLIGHT-CONTROL_RESET-P3 | B05e (1x) |
| BACKLIGHT-CONTROL_RESET-P3 | B07c (1x) |
| BACKLIGHT-CONTROL_RESET-P3 | B08e (1x) |
| BACKLIGHT-CONTROL_RESET-P3 | B08g (1x) |
| BIN-5V | B09a (3x) |
| BRX0- | B09a (1x) |
| BRX0- | B09b (1x) |
| BRX0+ | B09a (1x) |
| BRX0+ | B09b (1x) |
| BRX1- | B09a (1x) |
| BRX1- | B09b (1x) |
| BRX1+ | B09a (1x) |
| BRX1+ | B09b (1x) |
| BRX2- | B09a (1x) |
| BRX2- | B09b (1x) |
| BRX2+ | B09a (1x) |
| BRX2+ | B09b (1x) |
| BRXC- | B09a (1x) |
| BRXC- | B09b (1x) |
| BRXC+ | B09a (1x) |
| BRXC+ | B09b (1x) |
| BRX-DDC-SCL | B09a (1x) |
| BRX-DDC-SDA | B09a (1x) |
| BRX-HOTPLUG | B09a (2x) |
| B-VGA | B09b (1x) |
| B-VGA | B11a (1x) |
| CAS | B06b (2x) |
| CC-IN1 | B15d (2x) |
| CC-IN2 | B15d (2x) |
| CCLK | B08e (1x) |
| CCLK | B08g (3x) |
| CD1 | B10a (3x) |
| CD2 | B10a (3x) |
| CE1 | B10a (2x) |
| CE2 | B10a (2x) |
| CI-A(14) | B10a (1x) |
| CI-A(14) | B10c (1x) |
| CI-A(14)_MOCLKA-POD | B10a (2x) |
| CISEL-3V3 | B10a (1x) |
| CISEL-3V3 | B16a (1x) |
| CISEL-3V3-MAIN | B02b (1x) |
| CISEL-3V3-MAIN | B16a (1x) |
| CISEL-3V3-SUB | B03b (1x) |
| CISEL-3V3-SUB | B16a (1x) |
| CK | B06b (2x) |
| CKE | B06b (2x) |
| CKN | B06b (2x) |
| CLK-MPIF | B04b (1x) |
| CLK-MPIF | B04f (1x) |
| CLK-MPIF | B05a (1x) |
| C-MON-OUT | B07c (1x) |
| C-MON-OUT | B16c (1x) |
| COM-SND | B05e (2x) |
| CONF-DONE | B08b (1x) |
| CONF-DONE | B08c (1x) |
| CPROT-LR | B15a (3x) |
| CPROT-SW | B15b (3x) |
| CRX_POD-A(8) | B10a (2x) |
| CRX_POD-A(8) | B10b (1x) |
| CRX-POD | B10b (1x) |
| CSO-B | B08e (1x) |
| CSO-B | B08g (2x) |
| CTRL1-FPGA | B08c (1x) |
| CTRL1-FPGA | B08f (1x) |
| CTRL1-STBY | B05e (2x) |
| CTRL1-STBY | B08f (1x) |
| CTRL1-VIPER | B07c (1x) |
| CTRL1-VIPER | B08f (2x) |
| CTRL1-VIPER | B16e (1x) |
| CTRL2-FPGA | B08c (1x) |
| CTRL2-FPGA | B08f (1x) |
| CTRL2-VIPER | B07c (1x) |
| CTRL2-VIPER | B08f (1x) |
| CTRL3-FPGA | B08c (1x) |
| CTRL3-FPGA | B08f (1x) |
| CTRL3-STBY | B05e (2x) |
| CTRL3-STBY | B08f (1x) |
| CTRL4-FPGA | B08c (1x) |
| CTRL4-FPGA | B08f (1x) |
| CTRL4-P3 | B08e (2x) |
| CTRL4-P3 | B08f (1x) |
| CTRL4-STBY | B05e (1x) |
| CTRL4-STBY | B08f (1x) |
| CTRL4-VIPER | B07a (2x) |
| CTRL4-VIPER | B08c (1x) |
| CTRL4-VIPER | B08f (1x) |
| CTRL-DISP1 | B08a (1x) |
| CTRL-DISP1 | B08f (1x) |
| CTRL-DISP2 | B08a (1x) |
| CTRL-DISP2 | B08f (1x) |
| CTRL-DISP3 | B08a (1x) |
| CTRL-DISP3 | B08f (1x) |
| CTRL-DISP4 | B08a (1x) |
| CTRL-DISP4 | B08f (1x) |
| CTX_POD-A(4) | B10a (2x) |
| CTX_POD-A(4) | B10b (1x) |
| CTX-POD | B10b (1x) |
| CVBSOUTIF-MAIN | B04a (1x) |
| CVBSOUTIF-MAIN | B04c (1x) |
| CVBSOUTIF-SUB | B04e (1x) |
| CVBSOUTIF-SUB | B04g (1x) |
| CVBS-TER-OUT | B04c (1x) |
| CVBS-TER-OUT | B16c (1x) |
| DAC-CVBS | B07c (1x) |
| DAC-CVBS | B16c (1x) |
| DATA0 | B08b (2x) |
| DATA0 | B08c (1x) |
| DATA1N-MAIN | B04a (1x) |
| DATA1N-MAIN | B05a (1x) |
| DATA1N-SUB | B04e (1x) |
| DATA1N-SUB | B05a (1x) |
| DATA1P-MAIN | B04a (1x) |
| DATA1P-MAIN | B05a (1x) |
| DATA1P-SUB | B04e (1x) |
| DATA1P-SUB | B05a (1x) |
| DATA2N-MAIN | B04a (1x) |
| DATA2N-MAIN | B05a (1x) |
| DATA2N-SUB | B04e (1x) |
| DATA2N-SUB | B05a (1x) |
| DATA2P-MAIN | B04a (1x) |
| DATA2P-MAIN | B05a (1x) |
| DATA2P-SUB | B04e (1x) |
| DATA2P-SUB | B05a (1x) |
| DATA3N-MAIN | B04a (1x) |
| DATA3N-MAIN | B05a (1x) |
| DATA3N-SUB | B04e (1x) |
| DATA3N-SUB | B05a (1x) |
| DATA3P-MAIN | B04a (1x) |
| DATA3P-MAIN | B05a (1x) |
| DATA3P-SUB | B04e (1x) |
| DATA3P-SUB | B05a (1x) |
| DATDIR | B10a (1x) |
| DATDIR | B10c (1x) |
| DATOE | B10a (1x) |
| DATOE | B10c (1x) |
| DCLK | B08b (2x) |
| DCLK | B08c (1x) |
| DC-PROT-SW | B15a (1x) |
| DC-PROT-SW | B15b (1x) |
| DEBUG-BREAK | B05e (2x) |
| DEBUG-BREAK | B07a (1x) |
| DETECT-12V | B05e (2x) |
| DETECT-1V2 | B05e (2x) |
| DETECT-2V5 | B05e (2x) |
| DETECT-3V3 | B05e (2x) |
| DETECT-5V | B05e (2x) |
| DETECT-8V6 | B05e (2x) |
| DEV-CLRn | B08c (1x) |
| DONE | B08g (2x) |
| DQ(0) | B06b (2x) |
| DQ(0) | B07b (1x) |
| DQ(1) | B06b (2x) |
| DQ(1) | B07b (1x) |
| DQ(10) | B06b (2x) |
| DQ(10) | B07b (1x) |
| DQ(11) | B06b (2x) |
| DQ(11) | B07b (1x) |
| DQ(12) | B06b (2x) |
| DQ(12) | B07b (1x) |
| DQ(13) | B06b (2x) |
| DQ(13) | B07b (1x) |
| DQ(14) | B06b (2x) |
| DQ(14) | B07b (1x) |
| DQ(15) | B06b (2x) |
| DQ(15) | B07b (1x) |
| DQ(16) | B07b (1x) |
| DQ(17) | B07b (1x) |
| DQ(18) | B07b (1x) |
| DQ(19) | B07b (1x) |
| DQ(2) | B06b (2x) |
| DQ(2) | B07b (1x) |
| DQ(20) | B07b (1x) |
| DQ(21) | B07b (1x) |
| DQ(22) | B07b (1x) |
| DQ(23) | B07b (1x) |
| DQ(24) | B07b (1x) |
| DQ(25) | B07b (1x) |
| DQ(26) | B07b (1x) |
| DQ(27) | B07b (1x) |
| DQ(28) | B07b (1x) |
| DQ(29) | B07b (1x) |
| DQ(3) | B06b (2x) |
| DQ(3) | B07b (1x) |
| DQ(30) | B07b (1x) |
| DQ(31) | B07b (1x) |
| DQ(4) | B06b (2x) |
| DQ(4) | B07b (1x) |
| DQ(5) | B06b (2x) |
| DQ(5) | B07b (1x) |
| DQ(6) | B06b (2x) |
| DQ(6) | B07b (1x) |
| DQ(7) | B06b (2x) |
| DQ(7) | B07b (1x) |
| DQ(8) | B06b (2x) |
| DQ(8) | B07b (1x) |
| DQ(9) | B06b (2x) |
| DQ(9) | B07b (1x) |
| DQS0 | B07b (2x) |
| DQS1 | B07b (2x) |
| DQS2 | B07b (2x) |
| DQS3 | B07b (2x) |
| DRX_POD-A(9) | B10a (2x) |
| DRX_POD-A(9) | B10b (1x) |
| DRX-POD | B10b (1x) |
| DSNDL1 | B04d (1x) |
| DSNDL1 | B05a (1x) |
| DSNDL2 | B04d (1x) |
| DSNDL2 | B05a (1x) |
| DSNDR1 | B04d (1x) |
| DSNDR1 | B05a (1x) |
| DSNDR2 | B04d (1x) |
| DSNDR2 | B05a (1x) |
| DV1F-CLK | B05b (1x) |
| DV1F-CLK | B07c (1x) |
| DV1F-CLK | B10c (1x) |
| DV1F-DATA0 | B05b (1x) |
| DV1F-DATA0 | B07c (1x) |
| DV1F-DATA0 | B10c (1x) |
| DV1F-DATA1 | B05b (1x) |
| DV1F-DATA1 | B07c (1x) |
| DV1F-DATA1 | B10c (1x) |
| DV1F-DATA2 | B05b (1x) |
| DV1F-DATA2 | B07c (1x) |
| DV1F-DATA2 | B10c (1x) |
| DV1F-DATA3 | B05b (1x) |
| DV1F-DATA3 | B07c (1x) |
| DV1F-DATA3 | B10c (1x) |
| DV1F-DATA4 | B05b (1x) |
| DV1F-DATA4 | B07c (1x) |
| DV1F-DATA4 | B10c (1x) |
| DV1F-DATA5 | B05b (1x) |
| DV1F-DATA5 | B07c (1x) |
| DV1F-DATA5 | B10c (1x) |
| DV1F-DATA6 | B05b (1x) |
| DV1F-DATA6 | B07c (1x) |
| DV1F-DATA6 | B10c (1x) |
| DV1F-DATA7 | B05b (1x) |
| DV1F-DATA7 | B07c (1x) |
| DV1F-DATA7 | B10c (1x) |
| DV1F-DATA8_ERR | B05b (1x) |
| DV1F-DATA8_ERR | B07c (1x) |
| DV1F-DATA9_SOP | B05b (1x) |
| DV1F-DATA9_SOP | B07c (1x) |
| DV1F-DATA9_SOP | B10c (1x) |
| DV1F-VALID | B05b (1x) |
| DV1F-VALID | B07c (2x) |
| DV1F-VALID | B10c (1x) |
| DV2A-CLK | B05b (1x) |
| DV2A-CLK | B07c (1x) |
| DV2A-CLK | B14a (2x) |
| DV2A-DATA0_SOP | B05b (1x) |
| DV2A-DATA0_SOP | B07c (1x) |
| DV2A-DATA0_SOP | B14a (1x) |
| DV2A-DATA1_ERR | B05b (1x) |
| DV2A-DATA1_ERR | B07c (1x) |
| DV2A-DATA1_ERR | B14a (1x) |
| DV2A-DATA2_0 | B14a (1x) |
| DV2A-DATA3_1 | B14a (1x) |
| DV2A-DATA4_2 | B05b (1x) |
| DV2A-DATA4_2 | B07c (1x) |
| DV2A-DATA4_2 | B14a (1x) |
| DV2A-DATA5_3 | B05b (1x) |
| DV2A-DATA5_3 | B07c (1x) |
| DV2A-DATA5_3 | B14a (1x) |
| DV2A-DATA6_4 | B05b (1x) |
| DV2A-DATA6_4 | B07c (1x) |
| DV2A-DATA6_4 | B14a (1x) |
| DV2A-DATA7_5 | B05b (1x) |
| DV2A-DATA7_5 | B07c (1x) |
| DV2A-DATA7_5 | B14a (1x) |
| DV2A-DATA8_6 | B05b (1x) |
| DV2A-DATA8_6 | B07c (1x) |
| DV2A-DATA8_6 | B14a (1x) |
| DV2A-DATA9_7 | B05b (1x) |
| DV2A-DATA9_7 | B07c (1x) |
| DV2A-DATA9_7 | B14a (1x) |
| DV2A-VALID | B05b (1x) |
| DV2A-VALID | B07c (2x) |
| DV2A-VALID | B14a (1x) |
| DV3F-CLK | B05b (1x) |
| DV3F-CLK | B07c (1x) |
| DV3F-DATA0_SOP | B05b (1x) |
| DV3F-DATA0_SOP | B07c (1x) |
| DV3F-DATA1_ERR | B05b (1x) |
| DV3F-DATA1_ERR | B07c (1x) |
| DV3F-DATA2_0 | B05b (1x) |
| DV3F-DATA2_0 | B07c (1x) |
| DV3F-DATA3_1 | B05b (1x) |
| DV3F-DATA3_1 | B07c (1x) |
| DV3F-DATA4_2 | B05b (1x) |
| DV3F-DATA4_2 | B07c (1x) |
| DV3F-DATA5_3 | B05b (1x) |
| DV3F-DATA5_3 | B07c (1x) |
| DV3F-DATA6_4 | B05b (1x) |
| DV3F-DATA6_4 | B07c (1x) |
| DV3F-DATA7_5 | B05b (1x) |
| DV3F-DATA7_5 | B07c (1x) |
| DV3F-DATA8_6 | B05b (1x) |
| DV3F-DATA8_6 | B07c (1x) |
| DV3F-DATA9_7 | B05b (1x) |
| DV3F-DATA9_7 | B07c (1x) |
| DV3F-VALID | B05b (1x) |
| DV3F-VALID | B07c (2x) |
| DV4-CLK | B05b (1x) |
| DV4-CLK | B09b (1x) |
| DV4-DATA0_SOP | B05b (1x) |
| DV4-DATA0_SOP | B09b (1x) |
| DV4-DATA1_ERR | B05b (1x) |
| DV4-DATA1_ERR | B09b (1x) |
| DV4-DATA2_0 | B05b (1x) |
| DV4-DATA2_0 | B09b (1x) |
| DV4-DATA3_1 | B05b (1x) |
| DV4-DATA3_1 | B09b (1x) |
| DV4-DATA4_2 | B05b (1x) |
| DV4-DATA4_2 | B09b (1x) |
| DV4-DATA5_3 | B05b (1x) |
| DV4-DATA5_3 | B09b (1x) |
| DV4-DATA6_4 | B05b (1x) |
| DV4-DATA6_4 | B09b (1x) |
| DV4-DATA7_5 | B05b (1x) |
| DV4-DATA7_5 | B09b (1x) |
| DV4-DATA8_6 | B05b (1x) |
| DV4-DATA8_6 | B09b (1x) |
| DV4-DATA9_7 | B05b (1x) |
| DV4-DATA9_7 | B09b (1x) |
| DV4-VALID | B05b (1x) |
| DV4-VALID | B09b (1x) |
| DV5-DATA0_SOP | B05b (1x) |
| DV5-DATA0_SOP | B09b (1x) |
| DV5-DATA1_ERR | B05b (1x) |
| DV5-DATA1_ERR | B09b (1x) |
| DV5-DATA2_0 | B05b (1x) |
| DV5-DATA2_0 | B09b (1x) |
| DV5-DATA3_1 | B05b (1x) |
| DV5-DATA3_1 | B09b (1x) |
| DV5-DATA4_2 | B05b (1x) |
| DV5-DATA4_2 | B09b (1x) |
| DV5-DATA5_3 | B05b (1x) |
| DV5-DATA5_3 | B09b (1x) |
| DV5-DATA6_4 | B05b (1x) |
| DV5-DATA6_4 | B09b (1x) |
| DV5-DATA7_5 | B05b (1x) |
| DV5-DATA7_5 | B09b (1x) |
| DV5-DATA8_6 | B05b (1x) |
| DV5-DATA8_6 | B09b (1x) |
| DV5-DATA9_7 | B05b (1x) |
| DV5-DATA9_7 | B09b (1x) |
| DV-BOUT-0 | B07c (1x) |
| DV-BOUT-0 | B08a (1x) |
| DV-BOUT-0 | B08c (1x) |
| DV-BOUT-0 | B08g (1x) |
| DV-BOUT-0 | B16f (1x) |
| DV-BOUT-1 | B07c (1x) |
| DV-BOUT-1 | B08a (1x) |
| DV-BOUT-1 | B08c (1x) |
| DV-BOUT-1 | B08g (1x) |
| DV-BOUT-1 | B16f (1x) |
| DV-BOUT-2 | B07c (1x) |
| DV-BOUT-2 | B08a (1x) |
| DV-BOUT-2 | B08c (1x) |
| DV-BOUT-2 | B08g (1x) |
| DV-BOUT-2 | B16f (1x) |
| DV-BOUT-3 | B07c (1x) |
| DV-BOUT-3 | B08a (1x) |
| DV-BOUT-3 | B08c (1x) |
| DV-BOUT-3 | B08g (1x) |
| DV-BOUT-3 | B16f (1x) |
| DV-BOUT-4 | B07c (1x) |
| DV-BOUT-4 | B08a (1x) |
| DV-BOUT-4 | B08c (1x) |
| DV-BOUT-4 | B08g (1x) |
| DV-BOUT-4 | B16f (1x) |
| DV-BOUT-5 | B07c (1x) |
| DV-BOUT-5 | B08a (1x) |
| DV-BOUT-5 | B08c (1x) |
| DV-BOUT-5 | B08g (1x) |
| DV-BOUT-5 | B16f (1x) |
| DV-BOUT-6 | B07c (1x) |
| DV-BOUT-6 | B08a (1x) |
| DV-BOUT-6 | B08c (1x) |
| DV-BOUT-6 | B08g (1x) |
| DV-BOUT-6 | B16f (1x) |
| DV-BOUT-7 | B07c (1x) |
| DV-BOUT-7 | B08a (1x) |
| DV-BOUT-7 | B08c (1x) |
| DV-BOUT-7 | B08g (1x) |
| DV-BOUT-7 | B16f (1x) |
| DV-BOUT-8 | B07c (1x) |
| DV-BOUT-8 | B08a (1x) |
| DV-BOUT-8 | B08c (1x) |
| DV-BOUT-8 | B08g (1x) |
| DV-BOUT-8 | B16f (1x) |
| DV-BOUT-9 | B07c (1x) |
| DV-BOUT-9 | B08a (1x) |
| DV-BOUT-9 | B08c (1x) |
| DV-BOUT-9 | B08g (1x) |
| DV-BOUT-9 | B16f (1x) |
| DV-CLK-PLL | B08c (3x) |
| DV-FREF | B05b (1x) |
| DV-FREF | B09b (1x) |
| DV-GOUT-0 | B07c (1x) |
| DV-GOUT-0 | B08a (1x) |
| DV-GOUT-0 | B08c (1x) |
| DV-GOUT-0 | B08g (1x) |
| DV-GOUT-0 | B16f (1x) |
| DV-GOUT-1 | B07c (1x) |
| DV-GOUT-1 | B08a (1x) |
| DV-GOUT-1 | B08c (1x) |
| DV-GOUT-1 | B08g (1x) |
| DV-GOUT-1 | B16f (1x) |
| DV-GOUT-2 | B07c (1x) |
| DV-GOUT-2 | B08a (1x) |
| DV-GOUT-2 | B08c (1x) |
| DV-GOUT-2 | B08g (1x) |
| DV-GOUT-2 | B16f (1x) |
| DV-GOUT-3 | B07c (1x) |
| DV-GOUT-3 | B08a (1x) |
| DV-GOUT-3 | B08c (1x) |
| DV-GOUT-3 | B08g (1x) |
| DV-GOUT-3 | B16f (1x) |
| DV-GOUT-4 | B07c (1x) |
| DV-GOUT-4 | B08a (1x) |
| DV-GOUT-4 | B08c (1x) |
| DV-GOUT-4 | B08g (1x) |
| DV-GOUT-4 | B16f (1x) |
| DV-GOUT-5 | B07c (1x) |
| DV-GOUT-5 | B08a (1x) |
| DV-GOUT-5 | B08c (1x) |
| DV-GOUT-5 | B08g (1x) |
| DV-GOUT-5 | B16f (1x) |
| DV-GOUT-6 | B07c (1x) |
| DV-GOUT-6 | B08a (1x) |
| DV-GOUT-6 | B08c (1x) |
| DV-GOUT-6 | B08g (1x) |
| DV-GOUT-6 | B16f (1x) |
| DV-GOUT-7 | B07c (1x) |
| DV-GOUT-7 | B08a (1x) |
| DV-GOUT-7 | B08c (1x) |
| DV-GOUT-7 | B08g (1x) |
| DV-GOUT-7 | B16f (1x) |
| DV-GOUT-8 | B07c (1x) |
| DV-GOUT-8 | B08a (1x) |
| DV-GOUT-8 | B08c (1x) |
| DV-GOUT-8 | B08g (1x) |
| DV-GOUT-8 | B16f (1x) |
| DV-GOUT-9 | B07c (1x) |
| DV-GOUT-9 | B08a (1x) |
| DV-GOUT-9 | B08c (1x) |
| DV-GOUT-9 | B08g (1x) |
| DV-GOUT-9 | B16f (1x) |
| DV-HREF | B05b (1x) |
| DV-HREF | B09b (2x) |
| DV-OUT-CLK | B07c (1x) |
| DV-OUT-CLK | B08a (1x) |
| DV-OUT-CLK | B08c (1x) |
| DV-OUT-CLK | B08g (1x) |
| DV-OUT-CLK | B16f (1x) |
| DV-OUT-DE | B07c (1x) |
| DV-OUT-DE | B08a (1x) |
| DV-OUT-DE | B08c (1x) |
| DV-OUT-DE | B08g (1x) |
| DV-OUT-DE | B16f (1x) |
| DV-OUT-FF | B07c (1x) |
| DV-OUT-FF | B08a (1x) |
| DV-OUT-FF | B08c (1x) |
| DV-OUT-FF | B08g (1x) |
| DV-OUT-FF | B16f (1x) |
| DV-OUT-HS | B07c (1x) |
| DV-OUT-HS | B08a (1x) |
| DV-OUT-HS | B08c (1x) |
| DV-OUT-HS | B08g (1x) |
| DV-OUT-HS | B16f (1x) |
| DV-OUT-VS | B07c (1x) |
| DV-OUT-VS | B08a (1x) |
| DV-OUT-VS | B08c (1x) |
| DV-OUT-VS | B08g (1x) |
| DV-OUT-VS | B16e (1x) |
| DV-OUT-VS | B16f (1x) |
| DV-ROUT-0 | B07c (1x) |
| DV-ROUT-0 | B08a (1x) |
| DV-ROUT-0 | B08c (1x) |
| DV-ROUT-0 | B08g (1x) |
| DV-ROUT-0 | B16f (1x) |
| DV-ROUT-1 | B07c (1x) |
| DV-ROUT-1 | B08a (1x) |
| DV-ROUT-1 | B08c (1x) |
| DV-ROUT-1 | B08g (1x) |
| DV-ROUT-1 | B16f (1x) |
| DV-ROUT-2 | B07c (1x) |
| DV-ROUT-2 | B08a (1x) |
| DV-ROUT-2 | B08c (1x) |
| DV-ROUT-2 | B08g (1x) |
| DV-ROUT-2 | B16f (1x) |
| DV-ROUT-3 | B07c (1x) |
| DV-ROUT-3 | B08a (1x) |
| DV-ROUT-3 | B08c (1x) |
| DV-ROUT-3 | B08g (1x) |
| DV-ROUT-3 | B16f (1x) |
| DV-ROUT-4 | B07c (1x) |
| DV-ROUT-4 | B08a (1x) |
| DV-ROUT-4 | B08c (1x) |
| DV-ROUT-4 | B08g (1x) |
| DV-ROUT-4 | B16f (1x) |
| DV-ROUT-5 | B07c (1x) |
| DV-ROUT-5 | B08a (1x) |
| DV-ROUT-5 | B08c (1x) |
| DV-ROUT-5 | B08g (1x) |
| DV-ROUT-5 | B16f (1x) |
| DV-ROUT-6 | B07c (1x) |
| DV-ROUT-6 | B08a (1x) |
| DV-ROUT-6 | B08c (1x) |
| DV-ROUT-6 | B08g (1x) |
| DV-ROUT-6 | B16f (1x) |
| DV-ROUT-7 | B07c (1x) |
| DV-ROUT-7 | B08a (1x) |
| DV-ROUT-7 | B08c (1x) |
| DV-ROUT-7 | B08g (1x) |
| DV-ROUT-7 | B16f (1x) |
| DV-ROUT-8 | B07c (1x) |
| DV-ROUT-8 | B08a (1x) |
| DV-ROUT-8 | B08c (1x) |
| DV-ROUT-8 | B08g (1x) |
| DV-ROUT-8 | B16f (1x) |
| DV-ROUT-9 | B07c (1x) |
| DV-ROUT-9 | B08a (1x) |
| DV-ROUT-9 | B08c (1x) |
| DV-ROUT-9 | B08g (1x) |
| DV-ROUT-9 | B16f (1x) |
| DV-VREF | B05b (1x) |
| DV-VREF | B09b (2x) |
| EA | B05e (2x) |
| EJTAG-DETECT | B05e (2x) |
| EJTAG-DETECT | B12b (1x) |
| EJTAG-TCK | B07a (1x) |
| EJTAG-TCK | B12b (1x) |
| EJTAG-TDI | B07a (2x) |
| EJTAG-TDI | B12b (1x) |
| EJTAG-TDO | B07a (1x) |
| EJTAG-TDO | B12b (1x) |
| EJTAG-TMS | B07a (1x) |
| EJTAG-TMS | B12b (1x) |
| ENABLE-1V2 | B01a (1x) |
| ENABLE-1V2 | B05e (2x) |
| ENABLE-2V5 | B01a (1x) |
| ENABLE-2V5 | B05e (2x) |
| ENABLE-3V3 | B01a (1x) |
| ENABLE-3V3 | B01c (1x) |
| ENABLE-3V3 | B05e (2x) |
| ENABLE-5V | B01c (2x) |
| ENABLE-5V | B08f (1x) |
| ETX_POD-A(6) | B10a (1x) |
| ETX_POD-A(6) | B10b (3x) |
| ETX-POD | B10b (1x) |
| FE-CLK | B10a (1x) |
| FE-CLK | B16a (1x) |
| FE-DATA0 | B10a (1x) |
| FE-DATA0 | B16a (1x) |
| FE-DATA1 | B10a (1x) |
| FE-DATA1 | B16a (1x) |
| FE-DATA2 | B10a (1x) |
| FE-DATA2 | B16a (1x) |
| FE-DATA3 | B10a (1x) |
| FE-DATA3 | B16a (1x) |
| FE-DATA4 | B10a (1x) |
| FE-DATA4 | B16a (1x) |
| FE-DATA5 | B10a (1x) |
| FE-DATA5 | B16a (1x) |
| FE-DATA6 | B10a (1x) |
| FE-DATA6 | B16a (1x) |
| FE-DATA7 | B10a (1x) |
| FE-DATA7 | B16a (1x) |
| FEEDBACK | B15a (3x) |
| FEEDBACK+SUB | B15b (2x) |
| FEEDBACK-LR | B15a (2x) |
| FEEDBACK-RL | B15a (2x) |
| FEEDBACK-SUB | B15b (2x) |
| FEEDBACK-SW | B15b (3x) |
| FE-MAIN-CLK | B02b (1x) |
| FE-MAIN-CLK | B16a (1x) |
| FE-MAIN-DATA0 | B02b (1x) |
| FE-MAIN-DATA0 | B16a (1x) |
| FE-MAIN-DATA1 | B02b (1x) |
| FE-MAIN-DATA1 | B16a (1x) |
| FE-MAIN-DATA2 | B02b (1x) |
| FE-MAIN-DATA2 | B16a (1x) |
| FE-MAIN-DATA3 | B02b (1x) |
| FE-MAIN-DATA3 | B16a (1x) |
| FE-MAIN-DATA4 | B02b (1x) |
| FE-MAIN-DATA4 | B16a (1x) |
| FE-MAIN-DATA5 | B02b (1x) |
| FE-MAIN-DATA5 | B16a (1x) |
| FE-MAIN-DATA6 | B02b (1x) |
| FE-MAIN-DATA6 | B16a (1x) |
| FE-MAIN-DATA7 | B02b (1x) |
| FE-MAIN-DATA7 | B16a (1x) |
| FE-MAIN-SOP | B02b (1x) |
| FE-MAIN-SOP | B16a (1x) |
| FE-MAIN-VALID | B02b (1x) |
| FE-MAIN-VALID | B16a (1x) |
| FE-SOP | B10a (1x) |
| FE-SOP | B16a (1x) |
| FE-SUB-CLK | B03b (1x) |
| FE-SUB-CLK | B16a (1x) |
| FE-SUB-DATA0 | B03b (1x) |
| FE-SUB-DATA0 | B16a (1x) |
| FE-SUB-DATA1 | B03b (1x) |
| FE-SUB-DATA1 | B16a (1x) |
| FE-SUB-DATA2 | B03b (1x) |
| FE-SUB-DATA2 | B16a (1x) |
| FE-SUB-DATA3 | B03b (1x) |
| FE-SUB-DATA3 | B16a (1x) |
| FE-SUB-DATA4 | B03b (1x) |
| FE-SUB-DATA4 | B16a (1x) |
| FE-SUB-DATA5 | B03b (1x) |
| FE-SUB-DATA5 | B16a (1x) |
| FE-SUB-DATA6 | B03b (1x) |
| FE-SUB-DATA6 | B16a (1x) |
| FE-SUB-DATA7 | B03b (1x) |
| FE-SUB-DATA7 | B16a (1x) |
| FE-SUB-SOP | B03b (1x) |
| FE-SUB-SOP | B16a (1x) |
| FE-SUB-VALID | B03b (1x) |
| FE-SUB-VALID | B16a (1x) |
| FE-VALID | B10a (1x) |
| FE-VALID | B16a (1x) |
| FPGA-TCK | B08g (1x) |
| FPGA-TCK | B16d (2x) |
| FPGA-TDI | B08g (1x) |
| FPGA-TDI | B16d (2x) |
| FPGA-TDO | B08g (1x) |
| FPGA-TDO | B16d (2x) |
| FPGA-TMS | B08g (1x) |
| FPGA-TMS | B16d (2x) |
| FREF-TUN-MAIN | B02a (1x) |
| FREF-TUN-MAIN | B02b (1x) |
| FREF-TUN-SUB | B03a (1x) |
| FREF-TUN-SUB | B03b (1x) |
| FRONT_C | B04a (1x) |
| FRONT_C | B04e (1x) |
| FRONT_C | B16b (1x) |
| FRONT_Y-CVBS | B04a (1x) |
| FRONT_Y-CVBS | B04e (1x) |
| FRONT_Y-CVBS | B16b (1x) |
| FRONT-DETECT | B05e (2x) |
| GLINK-IR-OUT | B07a (1x) |
| GLINK-IR-OUT | B11a (1x) |
| GLINK-RXD | B07a (1x) |
| GLINK-RXD | B11a (1x) |
| GLINK-RXD | B12b (1x) |
| GLINK-TXD | B07a (1x) |
| GLINK-TXD | B11a (1x) |
| GLINK-TXD | B12b (1x) |
| GND1V2 | B01a (7x) |
| GND2V8 | B01a (7x) |
| GND3V3 | B01a (7x) |
| GND5V | B01c (7x) |
| GND-D | B04a (2x) |
| GND-D | B15a (56x) |
| GND-D | B15b (38x) |
| GND-D | B15c (8x) |
| GND-RX | B08e (5x) |
| GND-TX | B08e (6x) |
| G-VGA | B09b (1x) |
| G-VGA | B11a (1x) |
| HDMI-COAST | B07a (1x) |
| HDMI-COAST | B09b (1x) |
| HOLD | B08e (1x) |
| HOLD | B08g (2x) |
| HPD-HIRATE | B07a (1x) |
| HPD-HIRATE | B09a (2x) |
| H-SYNC-VGA | B09b (1x) |
| H-SYNC-VGA | B11a (1x) |
| HV-PRM-MAIN | B04a (1x) |
| HV-PRM-MAIN | B05a (1x) |
| HV-PRM-SUB | B04e (1x) |
| HV-PRM-SUB | B05a (1x) |
| I2S-BCLK-AVIP | B05a (1x) |
| I2S-BCLK-AVIP | B07c (1x) |
| I2S-BCLK-MAIN | B05a (1x) |
| I2S-BCLK-MAIN | B07c (1x) |
| I2S-BCLK-SUB | B05a (1x) |
| I2S-BCLK-SUB | B07c (1x) |
| I2S-MAIN-D | B05a (1x) |
| I2S-MAIN-D | B07c (1x) |
| I2S-MAIN-ND | B05a (1x) |
| I2S-MAIN-ND | B07c (1x) |
| I2S-MCH-CSW | B05a (1x) |
| I2S-MCH-CSW | B07c (1x) |
| I2S-MCH-LR | B05a (1x) |
| I2S-MCH-LR | B07c (1x) |
| I2S-MCH-SLR | B05a (1x) |
| I2S-MCH-SLR | B07c (1x) |
| I2S-SUB-D | B05a (1x) |
| I2S-SUB-D | B07c (1x) |
| I2S-SUB-ND | B05a (1x) |
| I2S-SUB-ND | B07c (1x) |
| I2S-WS-AVIP | B05a (1x) |
| I2S-WS-AVIP | B07c (1x) |
| I2S-WS-MAIN | B05a (1x) |
| I2S-WS-MAIN | B07c (1x) |
| I2S-WS-SUB | B05a (1x) |
| I2S-WS-SUB | B07c (1x) |
| IF-TER1 | B04g (1x) |
| IF-TER1 | B16a (1x) |
| IF-TER2 | B04c (1x) |
| IF-TER2 | B16a (1x) |
| IF-TER-MAIN | B02a (1x) |
| IF-TER-MAIN | B16a (1x) |
| IF-TER-SUB | B03a (1x) |
| IF-TER-SUB | B16a (1x) |
| INIT | B08g (2x) |
| INV-MUTE | B15a (2x) |
| INV-MUTE | B15b (1x) |
| IO-EXP-1 | B05e (2x) |
| IO-EXP-1 | B11b (1x) |
| IO-EXP-2 | B05e (2x) |
| IO-EXP-2 | B11b (1x) |
| IORD | B10a (2x) |
| IOWR | B10a (2x) |
| IRQ-AVIP | B05e (1x) |
| IRQ-AVIP | B07a (1x) |
| IRQ-AVIP-SUB | B05e (1x) |
| IRQ-AVIP-SUB | B07a (1x) |
| IRQ-ETHERNET | B07a (2x) |
| IRQ-ETHERNET | B13 (1x) |
| IRQ-FE-MAIN | B02b (1x) |
| IRQ-FE-MAIN | B07a (1x) |
| IRQ-FE-MAIN | B16a (1x) |
| IRQ-FE-SUB | B03b (1x) |
| IRQ-FE-SUB | B16a (1x) |
| IRQ-HD1 | B05e (1x) |
| IRQ-HD1 | B07a (2x) |
| IRQ-HD2 | B05e (1x) |
| IRQ-HD2 | B07a (2x) |
| IRQ-HIRATE | B05e (1x) |
| IRQ-HIRATE | B07a (2x) |
| IRQ-HIRATE | B09b (1x) |
| IRQ-IEEE1394 | B07a (2x) |
| IRQ-IEEE1394 | B14a (2x) |
| IRQ-MAIN | B07a (2x) |
| IRQ-MPIF | B04b (1x) |
| IRQ-MPIF | B07a (1x) |
| IRQ-MPIF-SUB | B04f (1x) |
| IRQ-MPIF-SUB | B07a (1x) |
| IRQ-POD | B07a (2x) |
| IRQ-POD | B10a (1x) |
| IRQ-SPIDER | B06a (2x) |
| IRQ-SPIDER | B07a (1x) |
| IRQ-SUB | B07a (2x) |
| IRQ-USB20 | B07a (2x) |
| IRQ-USB20 | B12a (2x) |
| ITX_POD-A(5) | B10a (1x) |
| ITX_POD-A(5) | B10b (3x) |
| ITX-POD | B10b (1x) |
| JTAG-TCK | B02b (1x) |
| JTAG-TCK | B03b (1x) |
| JTAG-TCK | B05e (1x) |
| JTAG-TCK | B06a (1x) |
| JTAG-TCK | B07a (3x) |
| JTAG-TCK | B08e (1x) |
| JTAG-TCK | B09b (1x) |
| JTAG-TCK | B10a (1x) |
| JTAG-TD-CON-VIPER | B07a (3x) |
| JTAG-TD-DVBMAIN-DVBSUB | B02b (1x) |
| JTAG-TD-DVBMAIN-DVBSUB | B03b (1x) |
| JTAG-TD-DVBSUB-HDMI | B03b (1x) |
| JTAG-TD-DVBSUB-HDMI | B09b (1x) |
| JTAG-TD-HDMI-POD | B09b (1x) |
| JTAG-TD-HDMI-POD | B10a (1x) |
| JTAG-TD-P3-SPIDER | B06a (1x) |
| JTAG-TD-P3-SPIDER | B08e (2x) |
| JTAG-TD-PNX2015-DVBMAIN | B02b (1x) |
| JTAG-TD-PNX2015-DVBMAIN | B05e (1x) |
| JTAG-TD-POD-CON | B07a (1x) |
| JTAG-TD-POD-CON | B10a (1x) |
| JTAG-TD-SPIDER-PNX2015 | B05e (1x) |
| JTAG-TD-SPIDER-PNX2015 | B06a (1x) |
| JTAG-TD-VIPER-P3 | B07a (2x) |
| JTAG-TD-VIPER-P3 | B08e (2x) |
| JTAG-TMS | B02b (1x) |
| JTAG-TMS | B03b (1x) |
| JTAG-TMS | B05e (1x) |
| JTAG-TMS | B06a (1x) |
| JTAG-TMS | B07a (3x) |
| JTAG-TMS | B08e (1x) |
| JTAG-TMS | B09b (1x) |
| JTAG-TMS | B10a (1x) |
| JTAG-TRST | B02b (1x) |
| JTAG-TRST | B03b (1x) |
| JTAG-TRST | B05e (1x) |
| JTAG-TRST | B06a (1x) |
| JTAG-TRST | B07a (2x) |
| JTAG-TRST | B08e (1x) |
| JTAG-TRST | B09b (1x) |
| JTAG-TRST | B10a (1x) |
| JTAG-TRST | B12b (1x) |
| KEYBOARD | B05e (2x) |
| KEYBOARD | B16b (1x) |
| LAMP-ON | B05e (2x) |
| LAMP-ON | B08f (1x) |
| LAMP-ON-OUT | B08f (1x) |
| LAMP-ON-OUT | B16e (1x) |
| LCD-PWR-ON | B08c (1x) |
| LCD-PWR-ON | B08f (1x) |
| LDQS | B06b (2x) |
| LED1 | B05e (1x) |
| LED1 | B08b (1x) |
| LED1 | B08c (1x) |
| LED1 | B16b (1x) |
| LED1-3V3 | B05e (3x) |
| LED1B | B08b (1x) |
| LED1B | B08g (1x) |
| LED2 | B05e (1x) |
| LED2 | B08b (1x) |
| LED2 | B08c (1x) |
| LED2 | B16b (1x) |
| LED2-3V3 | B05e (3x) |
| LED2B | B08b (1x) |
| LED2B | B08g (1x) |
| LED3 | B08b (1x) |
| LED3 | B08c (1x) |
| LED3B | B08b (1x) |
| LED3B | B08g (1x) |
| LED4 | B08b (1x) |
| LED4 | B08c (1x) |
| LED4B | B08b (1x) |
| LED4B | B08g (1x) |
| LED5 | B08b (1x) |
| LED5 | B08c (1x) |
| LED5B | B08b (1x) |
| LED5B | B08g (1x) |
| LEFT-OUTPUT | B15a (2x) |
| LEFT-OUTPUT | B15c (1x) |
| LIGHT-SENSOR | B05e (1x) |
| LIGHT-SENSOR | B16b (1x) |
| LINKON | B14a (2x) |
| LVDS-3V3 | B05f (2x) |
| LVDS-PLL-3V3 | B05f (2x) |
| M135-CLK | B07a (1x) |
| M135-CLK | B09b (1x) |
| M27-CLK | B05a (1x) |
| M27-CLK | B07a (1x) |
| M27-DISP | B05a (1x) |
| M27-DISP | B08c (2x) |
| M27-DISP | B08g (1x) |
| M27-PNX | B05a (1x) |
| M27-PNX | B05e (1x) |
| M27-POD | B05a (1x) |
| M27-POD | B10a (1x) |
| MDIA(0) | B10a (2x) |
| MDIA(1) | B10a (2x) |
| MDIA(2) | B10a (2x) |
| MDIA(3) | B10a (2x) |
| MDIA(4) | B10a (2x) |
| MDIA(5) | B10a (2x) |
| MDIA(6) | B10a (2x) |
| MDIA(7) | B10a (2x) |
| MDOA(0) | B10a (3x) |
| MDOA(1) | B10a (3x) |
| MDOA(2) | B10a (3x) |
| MDOA(3) | B10a (3x) |
| MDOA(4) | B10a (3x) |
| MDOA(5) | B10a (3x) |
| MDOA(6) | B10a (3x) |
| MDOA(7) | B10a (3x) |
| MICLKA | B10a (2x) |
| MISO | B08e (1x) |
| MISO | B08g (3x) |
| MISTRTA | B10a (2x) |
| MIVALA | B10a (2x) |
| MM_A0 | B07b (3x) |
| MM_A1 | B07b (3x) |
| MM_A10 | B07b (3x) |
| MM_A11 | B07b (3x) |
| MM_A12 | B07b (3x) |
| MM_A2 | B07b (3x) |
| MM_A3 | B07b (3x) |
| MM_A4 | B07b (3x) |
| MM_A5 | B07b (3x) |
| MM_A6 | B07b (3x) |
| MM_A7 | B07b (3x) |
| MM_A8 | B07b (3x) |
| MM_A9 | B07b (3x) |
| MM_BA0 | B07b (3x) |
| MM_BA1 | B07b (3x) |
| MM_CAS | B07b (3x) |
| MM_CKE | B07b (3x) |
| MM_CLK_N | B07b (3x) |
| MM_CLK_P | B07b (3x) |
| MM_CS0 | B07b (3x) |
| MM_CS1 | B07b (1x) |
| MM_DATA_0 | B07b (1x) |
| MM_DATA_1 | B07b (1x) |
| MM_DATA_10 | B07b (1x) |
| MM_DATA_11 | B07b (1x) |
| MM_DATA_12 | B07b (1x) |
| MM_DATA_13 | B07b (1x) |
| MM_DATA_14 | B07b (1x) |
| MM_DATA_15 | B07b (1x) |
| MM_DATA_16 | B07b (2x) |
| MM_DATA_17 | B07b (2x) |
| MM_DATA_18 | B07b (2x) |
| MM_DATA_19 | B07b (2x) |
| MM_DATA_2 | B07b (1x) |
| MM_DATA_20 | B07b (2x) |
| MM_DATA_21 | B07b (2x) |
| MM_DATA_22 | B07b (2x) |
| MM_DATA_23 | B07b (2x) |
| MM_DATA_24 | B07b (2x) |
| MM_DATA_25 | B07b (2x) |
| MM_DATA_26 | B07b (2x) |
| MM_DATA_27 | B07b (2x) |
| MM_DATA_28 | B07b (2x) |
| MM_DATA_29 | B07b (2x) |
| MM_DATA_3 | B07b (1x) |
| MM_DATA_30 | B07b (2x) |
| MM_DATA_31 | B07b (2x) |
| MM_DATA_4 | B07b (1x) |
| MM_DATA_5 | B07b (1x) |
| MM_DATA_6 | B07b (1x) |
| MM_DATA_7 | B07b (1x) |
| MM_DATA_8 | B07b (1x) |
| MM_DATA_9 | B07b (1x) |
| MM_DQM_0 | B07b (2x) |
| MM_DQM_1 | B07b (2x) |
| MM_DQM_2 | B07b (2x) |
| MM_DQM_3 | B07b (2x) |
| MM_DQS0 | B07b (2x) |
| MM_DQS1 | B07b (2x) |
| MM_DQS2 | B07b (2x) |
| MM_DQS3 | B07b (2x) |
| MM_RAS | B07b (3x) |
| MM_WE | B07b (3x) |
| MOCLKA | B10a (3x) |
| MOSI | B08e (1x) |
| MOSI | B08g (2x) |
| MOSTRTA | B10a (3x) |
| MOVALA | B10a (3x) |
| MUTE | B15a (3x) |
| MUTE | B15b (2x) |

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# SSB: SRP Overview Part 2

| Net Name | Diagram |
|---|---|
| NAND-AD0 | B10d (4x) |
| NAND-AD1 | B10d (4x) |
| NAND-AD2 | B10d (4x) |
| NAND-AD3 | B10d (3x) |
| NAND-AD4 | B10d (4x) |
| NAND-AD5 | B10d (3x) |
| NAND-AD6 | B10d (4x) |
| NAND-AD7 | B10d (4x) |
| nCONFIG | B08b (1x) |
| nCONFIG | B08c (1x) |
| nCONFIG | B08g (1x) |
| nCSO | B08b (2x) |
| nCSO | B08c (1x) |
| N-IF-MAIN | B02a (1x) |
| N-IF-MAIN | B02b (1x) |
| N-IF-SUB | B03a (1x) |
| N-IF-SUB | B03b (1x) |
| OE | B10a (2x) |
| ON-MODE | B05e (8x) |
| ON-MODE | B08f (4x) |
| ON-MODE | B16d (8x) |
| OUT | B15b (1x) |
| OUT | B15d (2x) |
| OUTN | B15b (1x) |
| OUTN | B15d (1x) |
| P0.0 | B05e (1x) |
| P0.1 | B05e (1x) |
| P0.2 | B05e (1x) |
| P0.3 | B05e (1x) |
| P0.4 | B05e (1x) |
| P0.5 | B05e (1x) |
| P0.6 | B05e (1x) |
| P0.7 | B05e (1x) |
| P2.0 | B05e (1x) |
| P2.1 | B05e (1x) |
| P2.2 | B05e (1x) |
| P2.3 | B05e (1x) |
| P2.4 | B05e (1x) |
| P2.5 | B05e (1x) |
| P2.6 | B05e (1x) |
| P2.7 | B05e (1x) |
| P50 | B05e (1x) |
| P50 | B16c (1x) |
| P50-3V3 | B05e (3x) |
| P50-HDMI | B05e (1x) |
| P50-HDMI | B09a (2x) |
| P50-HDMI-3V3 | B05e (3x) |
| PARX-DDC-SCL | B09a (1x) |
| PARX-DDC-SCL | B09b (1x) |
| PARX-DDC-SDA | B09a (1x) |
| PARX-DDC-SDA | B09b (1x) |
| PBRX-DDC-SCL | B09a (1x) |
| PBRX-DDC-SCL | B09b (1x) |
| PBRX-DDC-SDA | B09a (1x) |
| PBRX-DDC-SDA | B09b (1x) |
| PCI-AD0 | B07a (1x) |
| PCI-AD0 | B12a (1x) |
| PCI-AD0 | B12b (1x) |
| PCI-AD0 | B13 (1x) |
| PCI-AD0 | B14b (2x) |
| PCI-AD1 | B07a (1x) |
| PCI-AD1 | B12a (1x) |
| PCI-AD1 | B12b (1x) |
| PCI-AD1 | B13 (1x) |
| PCI-AD1 | B14b (2x) |
| PCI-AD10 | B07a (1x) |
| PCI-AD10 | B12a (1x) |
| PCI-AD10 | B12b (1x) |
| PCI-AD10 | B13 (1x) |
| PCI-AD10 | B14b (2x) |
| PCI-AD11 | B07a (1x) |
| PCI-AD11 | B12a (1x) |
| PCI-AD11 | B12b (1x) |
| PCI-AD11 | B13 (1x) |
| PCI-AD11 | B14b (2x) |
| PCI-AD12 | B07a (1x) |
| PCI-AD12 | B12a (1x) |
| PCI-AD12 | B12b (1x) |
| PCI-AD12 | B13 (1x) |
| PCI-AD12 | B14b (2x) |
| PCI-AD13 | B07a (1x) |
| PCI-AD13 | B12a (1x) |
| PCI-AD13 | B12b (1x) |
| PCI-AD13 | B13 (1x) |
| PCI-AD13 | B14b (2x) |
| PCI-AD14 | B07a (1x) |
| PCI-AD14 | B12a (1x) |
| PCI-AD14 | B12b (1x) |
| PCI-AD14 | B13 (1x) |
| PCI-AD14 | B14b (2x) |
| PCI-AD15 | B07a (1x) |
| PCI-AD15 | B12a (1x) |
| PCI-AD15 | B12b (1x) |
| PCI-AD15 | B13 (1x) |
| PCI-AD15 | B14b (2x) |
| PCI-AD16 | B07a (2x) |
| PCI-AD16 | B12a (1x) |
| PCI-AD16 | B12b (1x) |
| PCI-AD16 | B13 (1x) |
| PCI-AD16 | B14b (2x) |
| PCI-AD17 | B07a (1x) |
| PCI-AD17 | B12a (1x) |
| PCI-AD17 | B12b (1x) |
| PCI-AD17 | B13 (1x) |
| PCI-AD17 | B14b (2x) |
| PCI-AD18 | B07a (1x) |
| PCI-AD18 | B12a (1x) |
| PCI-AD18 | B12b (1x) |
| PCI-AD18 | B13 (1x) |
| PCI-AD18 | B14b (2x) |
| PCI-AD19 | B07a (1x) |
| PCI-AD19 | B12a (1x) |
| PCI-AD19 | B12b (1x) |
| PCI-AD19 | B13 (1x) |
| PCI-AD19 | B14b (2x) |
| PCI-AD2 | B07a (1x) |
| PCI-AD2 | B12a (1x) |
| PCI-AD2 | B12b (1x) |
| PCI-AD2 | B13 (1x) |
| PCI-AD2 | B14b (1x) |
| PCI-AD20 | B07a (1x) |
| PCI-AD20 | B12a (1x) |
| PCI-AD20 | B12b (1x) |
| PCI-AD20 | B13 (1x) |
| PCI-AD20 | B14b (2x) |
| PCI-AD21 | B07a (1x) |
| PCI-AD21 | B12a (1x) |
| PCI-AD21 | B12b (1x) |
| PCI-AD21 | B13 (1x) |
| PCI-AD21 | B14b (2x) |
| PCI-AD22 | B07a (1x) |
| PCI-AD22 | B12a (2x) |
| PCI-AD22 | B12b (1x) |
| PCI-AD22 | B13 (1x) |
| PCI-AD22 | B14b (2x) |
| PCI-AD23 | B07a (1x) |
| PCI-AD23 | B12a (1x) |
| PCI-AD23 | B12b (1x) |
| PCI-AD23 | B13 (2x) |
| PCI-AD23 | B14b (2x) |
| PCI-AD24 | B07a (1x) |
| PCI-AD24 | B10c (1x) |
| PCI-AD24 | B10d (2x) |
| PCI-AD24 | B12a (1x) |
| PCI-AD24 | B12b (1x) |
| PCI-AD24 | B13 (1x) |
| PCI-AD24 | B14b (2x) |
| PCI-AD25 | B07a (1x) |
| PCI-AD25 | B10c (1x) |
| PCI-AD25 | B10d (2x) |
| PCI-AD25 | B12a (1x) |
| PCI-AD25 | B12b (1x) |
| PCI-AD25 | B13 (1x) |
| PCI-AD25 | B14b (2x) |
| PCI-AD26 | B07a (1x) |
| PCI-AD26 | B10c (1x) |
| PCI-AD26 | B10d (2x) |
| PCI-AD26 | B12a (1x) |
| PCI-AD26 | B12b (1x) |
| PCI-AD26 | B13 (1x) |
| PCI-AD26 | B14b (2x) |
| PCI-AD27 | B07a (1x) |
| PCI-AD27 | B10c (1x) |
| PCI-AD27 | B10d (2x) |
| PCI-AD27 | B12a (1x) |
| PCI-AD27 | B12b (1x) |
| PCI-AD27 | B13 (1x) |
| PCI-AD27 | B14b (2x) |
| PCI-AD28 | B07a (1x) |
| PCI-AD28 | B10c (1x) |
| PCI-AD28 | B10d (2x) |
| PCI-AD28 | B12a (1x) |
| PCI-AD28 | B12b (1x) |
| PCI-AD28 | B13 (1x) |
| PCI-AD28 | B14b (2x) |
| PCI-AD29 | B07a (1x) |
| PCI-AD29 | B10c (1x) |
| PCI-AD29 | B10d (2x) |
| PCI-AD29 | B12a (1x) |
| PCI-AD29 | B12b (1x) |
| PCI-AD29 | B13 (1x) |
| PCI-AD29 | B14b (2x) |
| PCI-AD3 | B07a (1x) |
| PCI-AD3 | B12a (1x) |
| PCI-AD3 | B12b (1x) |
| PCI-AD3 | B13 (1x) |
| PCI-AD3 | B14b (1x) |
| PCI-AD30 | B07a (1x) |
| PCI-AD30 | B10c (1x) |
| PCI-AD30 | B10d (2x) |
| PCI-AD30 | B12a (1x) |
| PCI-AD30 | B12b (1x) |
| PCI-AD30 | B13 (1x) |
| PCI-AD30 | B14b (2x) |
| PCI-AD31 | B07a (1x) |
| PCI-AD31 | B10c (1x) |
| PCI-AD31 | B10d (2x) |
| PCI-AD31 | B12a (1x) |
| PCI-AD31 | B12b (1x) |
| PCI-AD31 | B13 (1x) |
| PCI-AD31 | B14b (2x) |
| PCI-AD4 | B07a (1x) |
| PCI-AD4 | B12a (1x) |
| PCI-AD4 | B12b (1x) |
| PCI-AD4 | B13 (1x) |
| PCI-AD4 | B14b (1x) |
| PCI-AD5 | B07a (1x) |
| PCI-AD5 | B12a (1x) |
| PCI-AD5 | B12b (1x) |
| PCI-AD5 | B13 (1x) |
| PCI-AD5 | B14b (1x) |
| PCI-AD6 | B07a (1x) |
| PCI-AD6 | B12a (1x) |
| PCI-AD6 | B12b (1x) |
| PCI-AD6 | B13 (1x) |
| PCI-AD6 | B14b (1x) |
| PCI-AD7 | B07a (1x) |
| PCI-AD7 | B12a (1x) |
| PCI-AD7 | B12b (1x) |
| PCI-AD7 | B13 (1x) |
| PCI-AD7 | B14b (1x) |
| PCI-AD8 | B07a (1x) |
| PCI-AD8 | B12a (1x) |
| PCI-AD8 | B12b (1x) |
| PCI-AD8 | B13 (1x) |
| PCI-AD8 | B14b (1x) |
| PCI-AD9 | B07a (1x) |
| PCI-AD9 | B12a (1x) |
| PCI-AD9 | B12b (1x) |
| PCI-AD9 | B13 (1x) |
| PCI-AD9 | B14b (1x) |
| PCI-CBE0 | B07a (1x) |
| PCI-CBE0 | B12a (1x) |
| PCI-CBE0 | B12b (1x) |
| PCI-CBE0 | B13 (1x) |
| PCI-CBE1 | B07a (1x) |
| PCI-CBE1 | B12a (1x) |
| PCI-CBE1 | B12b (1x) |
| PCI-CBE1 | B13 (1x) |
| PCI-CBE1 | B14b (2x) |
| PCI-CBE2 | B07a (1x) |
| PCI-CBE2 | B12a (1x) |
| PCI-CBE2 | B12b (1x) |
| PCI-CBE2 | B13 (1x) |
| PCI-CBE2 | B14b (2x) |
| PCI-CBE3 | B07a (1x) |
| PCI-CBE3 | B12a (1x) |
| PCI-CBE3 | B12b (1x) |
| PCI-CBE3 | B13 (1x) |
| PCI-CLK-ETHERNET | B07a (2x) |
| PCI-CLK-ETHERNET | B13 (1x) |
| PCI-CLK-SLOT | B07a (2x) |
| PCI-CLK-SLOT | B12b (1x) |
| PCI-CLK-SPIDER | B06a (1x) |
| PCI-CLK-SPIDER | B07a (2x) |
| PCI-CLK-USB20 | B07a (2x) |
| PCI-CLK-USB20 | B12a (1x) |
| PCI-CLK-VPR | B07a (3x) |
| PCI-DEVSEL | B07a (1x) |
| PCI-DEVSEL | B12a (1x) |
| PCI-DEVSEL | B12b (1x) |
| PCI-DEVSEL | B13 (1x) |
| PCI-FRAME | B07a (1x) |
| PCI-FRAME | B12a (1x) |
| PCI-FRAME | B12b (1x) |
| PCI-FRAME | B13 (1x) |
| PCI-GNT | B07a (2x) |
| PCI-GNT | B12a (2x) |
| PCI-GNT | B12b (1x) |
| PCI-GNT-A | B07a (1x) |
| PCI-GNT-A | B13 (2x) |
| PCI-INTA | B07a (2x) |
| PCI-INTA | B12b (1x) |
| PCI-IRDY | B07a (1x) |
| PCI-IRDY | B12a (1x) |
| PCI-IRDY | B12b (1x) |
| PCI-IRDY | B13 (1x) |
| PCI-PAR | B07a (1x) |
| PCI-PAR | B12a (1x) |
| PCI-PAR | B12b (1x) |
| PCI-PAR | B13 (1x) |
| PCI-PERR | B07a (1x) |
| PCI-PERR | B12a (1x) |
| PCI-PERR | B12b (1x) |
| PCI-PERR | B13 (1x) |
| PCI-REQ | B07a (2x) |
| PCI-REQ | B12a (2x) |
| PCI-REQ | B12b (1x) |
| PCI-REQ-A | B07a (2x) |
| PCI-REQ-A | B13 (1x) |
| PCI-REQ-B | B07a (2x) |
| PCI-REQ-B | B10a (1x) |
| PCI-SERR | B07a (1x) |
| PCI-SERR | B12a (1x) |
| PCI-SERR | B12b (1x) |
| PCI-SERR | B13 (1x) |
| PCI-STOP | B07a (1x) |
| PCI-STOP | B12a (1x) |
| PCI-STOP | B12b (1x) |
| PCI-STOP | B13 (1x) |
| PCI-TRDY | B07a (1x) |
| PCI-TRDY | B12a (1x) |
| PCI-TRDY | B12b (1x) |
| PCI-TRDY | B13 (1x) |
| PDIR | B10a (1x) |
| PDIR | B10b (2x) |
| PDOE | B10a (1x) |
| PDOE | B10b (1x) |
| PHY-D(0) | B14a (2x) |
| PHY-D(1) | B14a (2x) |
| PHY-D(2) | B14a (2x) |
| PHY-D(3) | B14a (2x) |
| PHY-D(4) | B14a (2x) |
| PHY-D(5) | B14a (2x) |
| PHY-D(6) | B14a (2x) |
| PHY-D(7) | B14a (2x) |
| P-IF-MAIN | B02a (1x) |
| P-IF-MAIN | B02b (1x) |
| P-IF-SUB | B03a (1x) |
| P-IF-SUB | B03b (1x) |
| PLL-1V2 | B05f (2x) |
| PLL-3V3 | B05f (2x) |
| PLL-OUT | B07a (3x) |
| PN-BOUT-0 | B05b (1x) |
| PN-BOUT-0 | B16f (1x) |
| PN-BOUT-1 | B05b (1x) |
| PN-BOUT-1 | B16f (1x) |
| PN-BOUT-2 | B05b (1x) |
| PN-BOUT-2 | B16f (1x) |
| PN-BOUT-3 | B05b (1x) |
| PN-BOUT-3 | B16f (1x) |
| PN-BOUT-4 | B05b (1x) |
| PN-BOUT-4 | B16f (1x) |
| PN-BOUT-5 | B05b (1x) |
| PN-BOUT-5 | B16f (1x) |
| PN-BOUT-6 | B05b (1x) |
| PN-BOUT-6 | B16f (1x) |
| PN-BOUT-7 | B05b (1x) |
| PN-BOUT-7 | B16f (1x) |
| PN-BOUT-8 | B05b (1x) |
| PN-BOUT-8 | B16f (1x) |
| PN-BOUT-9 | B05b (1x) |
| PN-BOUT-9 | B16f (1x) |
| PN-GOUT-0 | B05b (1x) |
| PN-GOUT-0 | B16f (1x) |
| PN-GOUT-1 | B05b (1x) |
| PN-GOUT-1 | B16f (1x) |
| PN-GOUT-2 | B05b (1x) |
| PN-GOUT-2 | B16f (1x) |
| PN-GOUT-3 | B05b (1x) |
| PN-GOUT-3 | B16f (1x) |
| PN-GOUT-4 | B05b (1x) |
| PN-GOUT-4 | B16f (1x) |
| PN-GOUT-5 | B05b (1x) |
| PN-GOUT-5 | B16f (1x) |
| PN-GOUT-6 | B05b (1x) |
| PN-GOUT-6 | B16f (1x) |
| PN-GOUT-7 | B05b (1x) |
| PN-GOUT-7 | B16f (1x) |
| PN-GOUT-8 | B05b (1x) |
| PN-GOUT-8 | B16f (1x) |
| PN-GOUT-9 | B05b (1x) |
| PN-GOUT-9 | B16f (1x) |
| PN-OUT-CLK | B05b (1x) |
| PN-OUT-CLK | B16f (1x) |
| PN-OUT-DE | B05b (1x) |
| PN-OUT-DE | B16f (1x) |
| PN-OUT-FF | B05b (1x) |
| PN-OUT-FF | B16f (1x) |
| PN-OUT-HS | B05b (1x) |
| PN-OUT-HS | B16f (1x) |
| PN-OUT-VS | B05b (1x) |
| PN-OUT-VS | B16f (1x) |
| PN-ROUT-0 | B05b (1x) |
| PN-ROUT-0 | B16f (1x) |
| PN-ROUT-1 | B05b (1x) |
| PN-ROUT-1 | B16f (1x) |
| PN-ROUT-2 | B05b (1x) |
| PN-ROUT-2 | B16f (1x) |
| PN-ROUT-3 | B05b (1x) |
| PN-ROUT-3 | B16f (1x) |
| PN-ROUT-4 | B05b (1x) |
| PN-ROUT-4 | B16f (1x) |
| PN-ROUT-5 | B05b (1x) |
| PN-ROUT-5 | B16f (1x) |
| PN-ROUT-6 | B05b (1x) |
| PN-ROUT-6 | B16f (1x) |
| PN-ROUT-7 | B05b (1x) |
| PN-ROUT-7 | B16f (1x) |
| PN-ROUT-8 | B05b (1x) |
| PN-ROUT-8 | B16f (1x) |
| PN-ROUT-9 | B05b (1x) |
| PN-ROUT-9 | B16f (1x) |
| PNX-MA-0 | B05d (2x) |
| PNX-MA-1 | B05d (2x) |
| PNX-MA-10 | B05d (2x) |
| PNX-MA-11 | B05d (2x) |
| PNX-MA-12 | B05d (2x) |
| PNX-MA-2 | B05d (2x) |
| PNX-MA-3 | B05d (2x) |
| PNX-MA-4 | B05d (2x) |
| PNX-MA-5 | B05d (2x) |
| PNX-MA-6 | B05d (2x) |
| PNX-MA-7 | B05d (2x) |
| PNX-MA-8 | B05d (2x) |
| PNX-MA-9 | B05d (2x) |
| PNX-MBA0 | B05d (2x) |
| PNX-MBA1 | B05d (2x) |
| PNX-MCAS | B05d (2x) |
| PNX-MCKE | B05d (2x) |
| PNX-MCLK-N | B05d (2x) |
| PNX-MCLK-P | B05d (2x) |
| PNX-MCS-0 | B05d (2x) |
| PNX-MDATA-0 | B05d (2x) |
| PNX-MDATA-1 | B05d (2x) |
| PNX-MDATA-10 | B05d (2x) |
| PNX-MDATA-11 | B05d (2x) |
| PNX-MDATA-12 | B05d (2x) |
| PNX-MDATA-13 | B05d (2x) |
| PNX-MDATA-14 | B05d (2x) |
| PNX-MDATA-15 | B05d (2x) |
| PNX-MDATA-2 | B05d (2x) |
| PNX-MDATA-3 | B05d (2x) |
| PNX-MDATA-4 | B05d (2x) |
| PNX-MDATA-5 | B05d (2x) |
| PNX-MDATA-6 | B05d (2x) |
| PNX-MDATA-7 | B05d (2x) |
| PNX-MDATA-8 | B05d (2x) |
| PNX-MDATA-9 | B05d (2x) |
| PNX-MDQM-0 | B05d (2x) |
| PNX-MDQM-1 | B05d (2x) |
| PNX-MDQS-0 | B05d (1x) |
| PNX-MDQS-1 | B05d (1x) |
| PNX-MRAS | B05d (2x) |
| PNX-MWE | B05d (2x) |
| POD-A(0) | B10a (1x) |
| POD-A(0) | B10c (1x) |
| POD-A(1) | B10a (1x) |
| POD-A(1) | B10c (1x) |
| POD-A(10) | B10a (1x) |
| POD-A(10) | B10c (1x) |
| POD-A(11) | B10a (1x) |
| POD-A(11) | B10c (1x) |
| POD-A(12) | B10a (1x) |
| POD-A(12) | B10c (1x) |
| POD-A(13) | B10a (1x) |
| POD-A(13) | B10c (1x) |
| POD-A(2) | B10a (1x) |
| POD-A(2) | B10c (1x) |
| POD-A(3) | B10a (1x) |
| POD-A(3) | B10c (1x) |
| POD-A(4) | B10a (1x) |
| POD-A(4) | B10b (1x) |
| POD-A(4) | B10c (1x) |
| POD-A(5) | B10b (2x) |
| POD-A(5) | B10c (1x) |
| POD-A(6) | B10b (2x) |
| POD-A(6) | B10c (1x) |
| POD-A(7) | B10b (2x) |
| POD-A(7) | B10c (1x) |
| POD-A(8) | B10a (1x) |
| POD-A(8) | B10b (1x) |
| POD-A(8) | B10c (1x) |
| POD-A(9) | B10a (1x) |
| POD-A(9) | B10b (1x) |
| POD-A(9) | B10c (1x) |
| POD-CLK | B10a (1x) |
| POD-CLK | B10c (1x) |
| POD-D(0) | B10a (1x) |
| POD-D(0) | B10c (1x) |
| POD-D(1) | B10a (1x) |
| POD-D(1) | B10c (1x) |
| POD-D(2) | B10a (1x) |
| POD-D(2) | B10c (1x) |
| POD-D(3) | B10a (1x) |
| POD-D(3) | B10c (1x) |
| POD-D(4) | B10a (1x) |
| POD-D(4) | B10c (1x) |
| POD-D(5) | B10a (1x) |
| POD-D(5) | B10c (1x) |
| POD-D(6) | B10a (1x) |
| POD-D(6) | B10c (1x) |
| POD-D(7) | B10a (1x) |
| POD-D(7) | B10c (1x) |
| POD-DATA0 | B10a (1x) |
| POD-DATA0 | B10c (1x) |
| POD-DATA1 | B10a (1x) |
| POD-DATA1 | B10c (1x) |
| POD-DATA2 | B10a (1x) |
| POD-DATA2 | B10c (1x) |
| POD-DATA3 | B10a (1x) |
| POD-DATA3 | B10c (1x) |
| POD-DATA4 | B10a (1x) |
| POD-DATA4 | B10c (1x) |
| POD-DATA5 | B10a (1x) |
| POD-DATA5 | B10c (1x) |
| POD-DATA6 | B10a (1x) |
| POD-DATA6 | B10c (1x) |
| POD-DATA7 | B10a (1x) |
| POD-DATA7 | B10c (1x) |
| POD-MODE | B05e (2x) |
| POD-MODE | B08f (1x) |
| POD-MODE | B16d (1x) |
| POD-SOP | B10a (1x) |
| POD-SOP | B10c (1x) |
| POD-VALID | B10a (1x) |
| POD-VALID | B10c (1x) |
| POD-VCC | B10a (6x) |
| POD-VPP | B10a (3x) |
| POWERDOWN-1394 | B07a (1x) |
| POWERDOWN-1394 | B09b (1x) |
| POWERDOWN-1394 | B14a (1x) |
| POWER-OK-DISPLAY | B05e (2x) |
| POWER-OK-DISPLAY | B16e (1x) |
| POWER-OK-DISPLAY-3V3 | B05e (2x) |
| POWER-OK-PLATFORM | B07a (1x) |
| POWER-OK-PLATFORM | B16e (1x) |
| POWER-OK-PLATFORM-3V3 | B05e (1x) |
| POWER-OK-PLATFORM-3V3 | B07a (2x) |
| PROT_DC | B01a (4x) |
| PROT_DC | B01c (1x) |
| PROT-AUDIOSUPPLY | B05e (2x) |
| PROT-AUDIOSUPPLY | B15a (1x) |
| PROT-AUDIOSUPPLY | B15c (1x) |
| PROT-AUDIOSUPPLY | B16c (1x) |
| PROT-AUDIOSUPPLY | B16e (1x) |
| PSEN | B05e (2x) |
| PWM-3 | B08e (2x) |
| PWM-OR | B08e (2x) |
| QTX_POD-A(7) | B10a (2x) |
| QTX_POD-A(7) | B10b (3x) |
| QTX-POD | B10b (1x) |
| RAS | B06b (2x) |
| RC | B05e (2x) |
| RC | B16b (1x) |
| RDY_IRQA | B10a (3x) |
| REG | B10a (2x) |
| REGIMBEAU | B07a (2x) |
| REGIMBEAU | B16c (1x) |
| RESET-1394 | B07a (1x) |
| RESET-1394 | B14a (2x) |
| RESET-AUDIO | B05c (1x) |
| RESET-AUDIO | B05e (2x) |
| RESET-ETHERNET | B07a (1x) |
| RESET-ETHERNET | B13 (2x) |
| RESET-FE-MAIN | B02b (1x) |
| RESET-FE-MAIN | B07a (2x) |
| RESET-FE-MAIN | B16a (1x) |
| RESET-FE-SUB | B03b (1x) |
| RESET-FE-SUB | B16a (1x) |
| RESET-MAIN-NVM | B05d (1x) |
| RESET-MAIN-NVM | B05e (2x) |
| RESET-MIPS | B05e (3x) |
| RESET-MIPS | B07a (1x) |
| RESET-PNX2015 | B05e (3x) |
| RESET-POD-CI | B07a (1x) |
| RESET-POD-CI | B10a (2x) |
| RESET-STBY | B05e (1x) |
| RESET-STBY | B16d (1x) |
| RESET-SYSTEM | B05e (2x) |
| RESET-SYSTEM | B07a (1x) |
| RESET-SYSTEM | B12b (1x) |
| RESET-TM | B06a (1x) |
| RESET-TM | B07a (1x) |
| RESET-USB20 | B07a (1x) |
| RESET-USB20 | B12a (2x) |
| RIGHT-OUTPUT | B15a (2x) |
| RIGHT-OUTPUT | B15c (1x) |
| RSTA | B10a (2x) |
| R-VGA | B09b (1x) |
| R-VGA | B11a (1x) |
| RXD | B10d (2x) |
| RXD | B12b (1x) |
| RXD | B16c (1x) |
| RXD-UP | B05e (1x) |
| RXD-UP | B10d (1x) |
| RXD-VIPER | B07a (1x) |
| RXD-VIPER | B10d (2x) |
| RXP3CLK | B08a (1x) |
| RXP3CLK | B08e (1x) |
| RXP3EA-_G7 | B08a (2x) |
| RXP3EA-_G7 | B08e (1x) |
| RXP3EA+_G6 | B08a (2x) |
| RXP3EA+_G6 | B08e (1x) |
| RXP3EB-_G5 | B08a (2x) |
| RXP3EB-_G5 | B08e (1x) |
| RXP3EB+_G4 | B08a (2x) |
| RXP3EB+_G4 | B08e (1x) |
| RXP3EC-_G3 | B08a (2x) |
| RXP3EC-_G3 | B08e (1x) |
| RXP3EC+_G2 | B08a (2x) |
| RXP3EC+_G2 | B08e (1x) |
| RXP3ECLK-_G0 | B08a (2x) |
| RXP3ECLK-_G0 | B08e (1x) |
| RXP3ECLK+_G1 | B08a (2x) |
| RXP3ECLK+_G1 | B08e (1x) |
| RXP3ED-_R9 | B08a (2x) |
| RXP3ED-_R9 | B08e (1x) |
| RXP3ED+_R8 | B08a (2x) |
| RXP3ED+_R8 | B08e (1x) |
| RXP3EE-_R7 | B08a (2x) |
| RXP3EE-_R7 | B08e (1x) |
| RXP3EE+_R6 | B08a (2x) |
| RXP3EE+_R6 | B08e (1x) |
| RXP3FF | B08a (1x) |
| RXP3FF | B08e (1x) |
| RXP3HS_DE | B08a (1x) |
| RXP3HS_DE | B08e (1x) |
| RXP3OA-_B9 | B08a (2x) |
| RXP3OA-_B9 | B08e (1x) |
| RXP3OA+_B8 | B08a (2x) |
| RXP3OA+_B8 | B08e (1x) |
| RXP3OB-_B7 | B08a (2x) |
| RXP3OB-_B7 | B08e (1x) |
| RXP3OB+_B6 | B08a (2x) |
| RXP3OB+_B6 | B08e (1x) |
| RXP3OC-_B5 | B08a (2x) |
| RXP3OC-_B5 | B08e (1x) |
| RXP3OC+_B4 | B08a (2x) |
| RXP3OC+_B4 | B08e (1x) |
| RXP3OCLK-_B2 | B08a (2x) |
| RXP3OCLK-_B2 | B08e (1x) |
| RXP3OCLK+_B3 | B08a (2x) |
| RXP3OCLK+_B3 | B08e (1x) |
| RXP3OD-_B1 | B08a (2x) |
| RXP3OD-_B1 | B08e (1x) |
| RXP3OD+_B0 | B08a (2x) |
| RXP3OD+_B0 | B08e (1x) |
| RXP3OE-_G9 | B08a (2x) |
| RXP3OE-_G9 | B08e (1x) |
| RXP3OE+_G8 | B08a (2x) |
| RXP3OE+_G8 | B08e (1x) |
| RXP3R0 | B08a (1x) |
| RXP3R0 | B08e (1x) |
| RXP3R1 | B08a (1x) |
| RXP3R1 | B08e (1x) |
| RXP3R2 | B08a (1x) |
| RXP3R2 | B08e (1x) |
| RXP3R3 | B08a (1x) |
| RXP3R3 | B08e (1x) |
| RXP3R4 | B08a (1x) |
| RXP3R4 | B08e (1x) |
| RXP3R5 | B08a (1x) |
| RXP3R5 | B08e (1x) |
| RXP3VS | B08a (1x) |
| RXP3VS | B08e (1x) |
| SCL-AMBI | B08f (2x) |
| SCL-AMBI | B16e (1x) |
| SCL-AMBI-3V3 | B08c (1x) |
| SCL-AMBI-3V3 | B08e (1x) |
| SCL-AMBI-3V3 | B08f (1x) |
| SCL-AMBI-3V3 | B08g (1x) |
| SCL-CD-TUN-MAIN | B02a (1x) |
| SCL-CD-TUN-MAIN | B02b (1x) |
| SCL-CD-TUN-SUB | B03a (1x) |
| SCL-CD-TUN-SUB | B03b (1x) |
| SCL-DMA | B04b (1x) |
| SCL-DMA | B04f (1x) |
| SCL-DMA | B05e (3x) |
| SCL-DMA | B06a (1x) |
| SCL-DMA | B07a (2x) |
| SCL-DMA | B08c (1x) |
| SCL-DMA | B08e (1x) |
| SCL-DMA | B08f (1x) |
| SCL-DMA | B08g (1x) |
| SCL-DMA | B14a (1x) |
| SCL-DMA | B16a (1x) |
| SCL-DMA-FE | B02b (2x) |
| SCL-DMA-FE | B03b (1x) |
| SCL-DMA-FE | B16a (1x) |
| SCL-I2C4 | B07a (2x) |
| SCL-I2C4 | B08f (1x) |
| SCL-I2C4 | B16e (1x) |
| SCL-I2C4-DISP | B08a (1x) |
| SCL-I2C4-DISP | B08f (1x) |
| SCL-MM | B02a (1x) |
| SCL-MM | B03a (1x) |
| SCL-MM | B07a (2x) |
| SCL-MM | B09b (1x) |
| SCL-MM | B10a (1x) |
| SCL-MM | B16b (1x) |
| SCL-UP-SW | B05e (2x) |
| SCL-UP-SW | B08f (1x) |
| SCL-UP-VIP | B05d (1x) |
| SCL-UP-VIP | B05e (2x) |
| SCL-UP-VIP | B07a (1x) |
| SCL-UP-VIP | B16e (1x) |
| SCL-UP-VIP-CONN | B10d (1x) |
| SCL-UP-VIP-CONN | B16e (1x) |
| SD1-A0 | B08c (1x) |
| SD1-A0 | B08d (1x) |
| SD1-A1 | B08c (1x) |
| SD1-A1 | B08d (1x) |
| SD1-A10 | B08c (1x) |
| SD1-A10 | B08d (1x) |
| SD1-A11 | B08c (1x) |
| SD1-A11 | B08d (1x) |
| SD1-A2 | B08c (1x) |
| SD1-A2 | B08d (1x) |
| SD1-A3 | B08c (1x) |
| SD1-A3 | B08d (1x) |
| SD1-A4 | B08c (1x) |
| SD1-A4 | B08d (1x) |
| SD1-A5 | B08c (1x) |
| SD1-A5 | B08d (1x) |
| SD1-A6 | B08c (1x) |
| SD1-A6 | B08d (1x) |
| SD1-A7 | B08c (1x) |
| SD1-A7 | B08d (1x) |
| SD1-A8 | B08c (1x) |
| SD1-A8 | B08d (1x) |
| SD1-A9 | B08c (1x) |
| SD1-A9 | B08d (1x) |
| SD1-CAS | B08c (1x) |
| SD1-CAS | B08d (1x) |
| SD1-CKE | B08c (1x) |
| SD1-CKE | B08d (1x) |
| SD1-CLK | B08c (1x) |
| SD1-CLK | B08d (1x) |
| SD1-CS | B08c (1x) |
| SD1-CS | B08d (1x) |
| SD1-DQ1 | B08c (1x) |
| SD1-DQ1 | B08d (1x) |
| SD1-DQ10 | B08c (1x) |
| SD1-DQ10 | B08d (1x) |
| SD1-DQ11 | B08c (1x) |
| SD1-DQ11 | B08d (1x) |
| SD1-DQ12 | B08c (1x) |
| SD1-DQ12 | B08d (1x) |
| SD1-DQ13 | B08c (1x) |
| SD1-DQ13 | B08d (1x) |
| SD1-DQ14 | B08c (1x) |
| SD1-DQ14 | B08d (1x) |
| SD1-DQ15 | B08c (1x) |
| SD1-DQ15 | B08d (1x) |
| SD1-DQ16 | B08c (1x) |
| SD1-DQ16 | B08d (1x) |
| SD1-DQ2 | B08c (1x) |
| SD1-DQ2 | B08d (1x) |
| SD1-DQ3 | B08c (1x) |
| SD1-DQ3 | B08d (1x) |
| SD1-DQ4 | B08c (1x) |
| SD1-DQ4 | B08d (1x) |
| SD1-DQ5 | B08c (1x) |
| SD1-DQ5 | B08d (1x) |
| SD1-DQ6 | B08c (1x) |
| SD1-DQ6 | B08d (1x) |
| SD1-DQ7 | B08c (1x) |
| SD1-DQ7 | B08d (1x) |
| SD1-DQ8 | B08c (1x) |
| SD1-DQ8 | B08d (1x) |
| SD1-DQ9 | B08c (1x) |
| SD1-DQ9 | B08d (1x) |
| SD1-DQM | B08c (1x) |
| SD1-DQM | B08d (1x) |
| SD1-RAS | B08c (1x) |
| SD1-RAS | B08d (1x) |
| SD1-WE | B08c (1x) |
| SD1-WE | B08d (1x) |
| SDA-AMBI | B08f (2x) |
| SDA-AMBI | B16e (1x) |
| SDA-AMBI-3V3 | B08c (1x) |
| SDA-AMBI-3V3 | B08e (1x) |
| SDA-AMBI-3V3 | B08f (1x) |
| SDA-AMBI-3V3 | B08g (1x) |
| SDA-CD-TUN-MAIN | B02a (1x) |
| SDA-CD-TUN-MAIN | B02b (1x) |
| SDA-CD-TUN-SUB | B03a (1x) |
| SDA-CD-TUN-SUB | B03b (1x) |
| SDA-DMA | B04b (1x) |
| SDA-DMA | B04f (1x) |
| SDA-DMA | B05e (3x) |
| SDA-DMA | B06a (1x) |
| SDA-DMA | B07a (2x) |
| SDA-DMA | B08c (1x) |
| SDA-DMA | B08e (1x) |
| SDA-DMA | B08f (1x) |
| SDA-DMA | B08g (1x) |
| SDA-DMA | B14a (1x) |
| SDA-DMA | B16a (1x) |
| SDA-DMA-FE | B02b (2x) |
| SDA-DMA-FE | B03b (1x) |
| SDA-DMA-FE | B16a (1x) |
| SDA-I2C4 | B07a (2x) |
| SDA-I2C4 | B08f (1x) |
| SDA-I2C4 | B16e (1x) |
| SDA-I2C4-DISP | B08a (1x) |
| SDA-I2C4-DISP | B08f (1x) |
| SDA-MM | B02a (1x) |
| SDA-MM | B03a (1x) |
| SDA-MM | B07a (2x) |
| SDA-MM | B09b (1x) |
| SDA-MM | B10a (1x) |
| SDA-MM | B16b (1x) |
| SDA-UP-SW | B05e (2x) |
| SDA-UP-SW | B08f (1x) |
| SDA-UP-VIP | B05d (1x) |
| SDA-UP-VIP | B05e (2x) |
| SDA-UP-VIP | B07a (1x) |
| SDA-UP-VIP | B16e (1x) |
| SDA-UP-VIP-CONN | B10d (1x) |
| SDA-UP-VIP-CONN | B16e (1x) |
| SDM | B05e (2x) |
| SDM | B16a (1x) |
| SDM-PNX | B05e (2x) |
| SEL-IF-LL1 | B04g (1x) |
| SEL-IF-LL1 | B07a (1x) |
| SEL-IF-LL2 | B04c (1x) |
| SEL-IF-LL2 | B07a (1x) |
| SEL-POD | B10c (2x) |
| SEL-POD | B16a (1x) |
| SEL-POD-MAIN | B02b (1x) |
| SEL-POD-MAIN | B16a (1x) |
| SEL-POD-SUB | B03b (1x) |
| SEL-POD-SUB | B16a (1x) |
| SENSE-1V2-VIPER | B01a (1x) |
| SOUND-ENABLE | B07a (1x) |
| SOUND-ENABLE | B15a (2x) |
| SOUND-ENABLE | B16c (1x) |
| SOUND-ENABLE-VPR | B07a (2x) |
| SPDIF-HDMI | B07c (1x) |
| SPDIF-HDMI | B09b (1x) |
| SPDIF-IN1 | B07c (1x) |
| SPDIF-IN1 | B11b (1x) |
| SPDIF-OPT-IN | B11b (1x) |
| SPDIF-OPT-IN | B16c (1x) |
| SPDIF-OUT1 | B07c (1x) |
| SPDIF-OUT1 | B11b (1x) |
| SPDIF-SEL-OUT1 | B11b (3x) |
| SPI-1 | B11a (1x) |
| SPI-1 | B11b (1x) |
| SPI-2 | B11b (1x) |
| SPI-2 | B16c (1x) |
| SPI-CLK | B05e (2x) |
| SPI-CSB | B05e (2x) |
| SPI-OUT | B11a (1x) |
| SPI-OUT | B11b (1x) |
| SPI-PROG | B05e (2x) |
| SPI-PROG | B16a (1x) |
| SPI-PROG-PNX | B05e (2x) |
| SPI-SDI | B05e (2x) |
| SPI-SDO | B05e (2x) |
| SPI-WP | B05e (3x) |
| STANDBY | B16d (1x) |
| STANDBY | B16e (1x) |
| STBY-WP-NAND-FLASH | B05e (2x) |
| STBY-WP-NAND-FLASH | B10d (1x) |
| STROBE1N-MAIN | B04a (1x) |
| STROBE1N-MAIN | B05a (1x) |
| STROBE1N-SUB | B04e (1x) |
| STROBE1N-SUB | B05a (1x) |
| STROBE1P-MAIN | B04a (1x) |
| STROBE1P-MAIN | B05a (1x) |
| STROBE1P-SUB | B04e (1x) |
| STROBE1P-SUB | B05a (1x) |
| STROBE2N-MAIN | B04a (1x) |
| STROBE2N-MAIN | B05a (1x) |
| STROBE2N-SUB | B04e (1x) |
| STROBE2N-SUB | B05a (1x) |
| STROBE2P-MAIN | B04a (1x) |
| STROBE2P-MAIN | B05a (1x) |
| STROBE2P-SUB | B04e (1x) |
| STROBE2P-SUB | B05a (1x) |
| STROBE3N-MAIN | B04a (1x) |
| STROBE3N-MAIN | B05a (1x) |
| STROBE3N-SUB | B04e (1x) |
| STROBE3N-SUB | B05a (1x) |
| STROBE3P-MAIN | B04a (1x) |
| STROBE3P-MAIN | B05a (1x) |
| STROBE3P-SUB | B04e (1x) |
| STROBE3P-SUB | B05a (1x) |
| -SUB-OUTPUT | B15b (2x) |
| -SUB-OUTPUT | B15c (1x) |
| SUPPLY-FAULT | B05e (8x) |
| SUPPLY-FAULT | B06d (4x) |
| SUPPLY-FAULT | B10a (4x) |
| SUPPLY-FAULT | B16e (2x) |
| SYNC-SW | B15a (1x) |
| SYNC-SW | B15b (1x) |
| TCK | B08b (1x) |
| TCK | B08c (1x) |
| TCK | B08g (1x) |
| TDI | B08b (1x) |
| TDI | B08c (1x) |
| TDI | B08g (1x) |
| TDO | B08b (1x) |
| TDO | B08c (1x) |
| TDO | B08g (1x) |
| TEMP-SENSOR | B05e (2x) |
| TMS | B08b (1x) |
| TMS | B08c (1x) |
| TMS | B08g (1x) |
| TS-CLK | B07c (1x) |
| TS-CLK | B14a (1x) |
| TS-DATA0 | B07c (1x) |
| TS-DATA0 | B14a (1x) |
| TS-DATA1 | B07c (1x) |
| TS-DATA1 | B14a (1x) |
| TS-DATA2 | B07c (1x) |
| TS-DATA2 | B14a (1x) |
| TS-DATA3 | B07c (1x) |
| TS-DATA3 | B14a (1x) |
| TS-DATA4 | B07c (1x) |
| TS-DATA4 | B14a (1x) |
| TS-DATA5 | B07c (1x) |
| TS-DATA5 | B14a (1x) |
| TS-DATA6 | B07c (1x) |
| TS-DATA6 | B14a (1x) |
| TS-DATA7 | B07c (1x) |
| TS-DATA7 | B14a (1x) |
| TS-SOP | B07c (1x) |
| TS-SOP | B14a (1x) |
| TS-VALID | B07c (1x) |
| TS-VALID | B14a (1x) |
| TUNN-REF | B05c (2x) |
| TUN-SPIDER-RX-BUSY | B05c (1x) |
| TUN-SPIDER-RX-BUSY | B06a (1x) |
| TUN-SPIDER-RX-CLKN | B05c (1x) |
| TUN-SPIDER-RX-CLKN | B06a (1x) |
| TUN-SPIDER-RX-CLKP | B05c (1x) |
| TUN-SPIDER-RX-CLKP | B06a (1x) |
| TUN-SPIDER-RX-DATA0 | B05c (1x) |
| TUN-SPIDER-RX-DATA0 | B06a (1x) |
| TUN-SPIDER-RX-DATA1 | B05c (1x) |
| TUN-SPIDER-RX-DATA1 | B06a (1x) |
| TUN-SPIDER-RX-DATA10 | B05c (1x) |
| TUN-SPIDER-RX-DATA10 | B06a (1x) |
| TUN-SPIDER-RX-DATA11 | B05c (1x) |
| TUN-SPIDER-RX-DATA11 | B06a (1x) |
| TUN-SPIDER-RX-DATA12 | B05c (1x) |
| TUN-SPIDER-RX-DATA12 | B06a (1x) |
| TUN-SPIDER-RX-DATA13 | B05c (1x) |
| TUN-SPIDER-RX-DATA13 | B06a (1x) |
| TUN-SPIDER-RX-DATA14 | B05c (1x) |
| TUN-SPIDER-RX-DATA14 | B06a (1x) |
| TUN-SPIDER-RX-DATA15 | B05c (1x) |
| TUN-SPIDER-RX-DATA15 | B06a (1x) |
| TUN-SPIDER-RX-DATA2 | B05c (1x) |
| TUN-SPIDER-RX-DATA2 | B06a (1x) |
| TUN-SPIDER-RX-DATA3 | B05c (1x) |
| TUN-SPIDER-RX-DATA3 | B06a (1x) |
| TUN-SPIDER-RX-DATA4 | B05c (1x) |
| TUN-SPIDER-RX-DATA4 | B06a (1x) |
| TUN-SPIDER-RX-DATA5 | B05c (1x) |
| TUN-SPIDER-RX-DATA5 | B06a (1x) |
| TUN-SPIDER-RX-DATA6 | B05c (1x) |
| TUN-SPIDER-RX-DATA6 | B06a (1x) |
| TUN-SPIDER-RX-DATA7 | B05c (1x) |
| TUN-SPIDER-RX-DATA7 | B06a (1x) |
| TUN-SPIDER-RX-DATA8 | B05c (1x) |
| TUN-SPIDER-RX-DATA8 | B06a (1x) |
| TUN-SPIDER-RX-DATA9 | B05c (1x) |
| TUN-SPIDER-RX-DATA9 | B06a (1x) |
| TUN-SPIDER-TX-BUSY | B05c (1x) |
| TUN-SPIDER-TX-BUSY | B06a (1x) |
| TUN-SPIDER-TX-CLKN | B05c (1x) |
| TUN-SPIDER-TX-CLKN | B06a (1x) |
| TUN-SPIDER-TX-CLKP | B05c (1x) |
| TUN-SPIDER-TX-CLKP | B06a (1x) |
| TUN-SPIDER-TX-DATA0 | B05c (1x) |
| TUN-SPIDER-TX-DATA0 | B06a (1x) |
| TUN-SPIDER-TX-DATA1 | B05c (1x) |
| TUN-SPIDER-TX-DATA1 | B06a (1x) |
| TUN-SPIDER-TX-DATA10 | B05c (1x) |
| TUN-SPIDER-TX-DATA10 | B06a (1x) |
| TUN-SPIDER-TX-DATA11 | B05c (1x) |
| TUN-SPIDER-TX-DATA11 | B06a (1x) |
| TUN-SPIDER-TX-DATA12 | B05c (1x) |
| TUN-SPIDER-TX-DATA12 | B06a (1x) |
| TUN-SPIDER-TX-DATA13 | B05c (1x) |
| TUN-SPIDER-TX-DATA13 | B06a (1x) |
| TUN-SPIDER-TX-DATA14 | B05c (1x) |
| TUN-SPIDER-TX-DATA14 | B06a (1x) |
| TUN-SPIDER-TX-DATA15 | B05c (1x) |
| TUN-SPIDER-TX-DATA15 | B06a (1x) |
| TUN-SPIDER-TX-DATA2 | B05c (1x) |
| TUN-SPIDER-TX-DATA2 | B06a (1x) |
| TUN-SPIDER-TX-DATA3 | B05c (1x) |
| TUN-SPIDER-TX-DATA3 | B06a (1x) |
| TUN-SPIDER-TX-DATA4 | B05c (1x) |
| TUN-SPIDER-TX-DATA4 | B06a (1x) |
| TUN-SPIDER-TX-DATA5 | B05c (1x) |
| TUN-SPIDER-TX-DATA5 | B06a (1x) |
| TUN-SPIDER-TX-DATA6 | B05c (1x) |
| TUN-SPIDER-TX-DATA6 | B06a (1x) |
| TUN-SPIDER-TX-DATA7 | B05c (1x) |
| TUN-SPIDER-TX-DATA7 | B06a (1x) |
| TUN-SPIDER-TX-DATA8 | B05c (1x) |
| TUN-SPIDER-TX-DATA8 | B06a (1x) |
| TUN-SPIDER-TX-DATA9 | B05c (1x) |
| TUN-SPIDER-TX-DATA9 | B06a (1x) |
| TUNS-REF | B05c (2x) |
| TUN-VIPER-RX-BUSY | B05c (1x) |
| TUN-VIPER-RX-BUSY | B07c (1x) |
| TUN-VIPER-RX-CLKN | B05c (1x) |
| TUN-VIPER-RX-CLKN | B07c (1x) |
| TUN-VIPER-RX-CLKP | B05c (1x) |
| TUN-VIPER-RX-CLKP | B07c (1x) |
| TUN-VIPER-RX-DATA0 | B05c (1x) |
| TUN-VIPER-RX-DATA0 | B07c (1x) |
| TUN-VIPER-RX-DATA1 | B05c (1x) |
| TUN-VIPER-RX-DATA1 | B07c (1x) |
| TUN-VIPER-RX-DATA10 | B05c (1x) |
| TUN-VIPER-RX-DATA10 | B07c (1x) |
| TUN-VIPER-RX-DATA11 | B05c (1x) |
| TUN-VIPER-RX-DATA11 | B07c (1x) |
| TUN-VIPER-RX-DATA12 | B05c (1x) |
| TUN-VIPER-RX-DATA12 | B07c (1x) |
| TUN-VIPER-RX-DATA13 | B05c (1x) |
| TUN-VIPER-RX-DATA13 | B07c (1x) |
| TUN-VIPER-RX-DATA14 | B05c (1x) |
| TUN-VIPER-RX-DATA14 | B07c (1x) |
| TUN-VIPER-RX-DATA15 | B05c (1x) |
| TUN-VIPER-RX-DATA15 | B07c (1x) |
| TUN-VIPER-RX-DATA2 | B05c (1x) |
| TUN-VIPER-RX-DATA2 | B07c (1x) |
| TUN-VIPER-RX-DATA3 | B05c (1x) |
| TUN-VIPER-RX-DATA3 | B07c (1x) |
| TUN-VIPER-RX-DATA4 | B05c (1x) |
| TUN-VIPER-RX-DATA4 | B07c (1x) |
| TUN-VIPER-RX-DATA5 | B05c (1x) |
| TUN-VIPER-RX-DATA5 | B07c (1x) |
| TUN-VIPER-RX-DATA6 | B05c (1x) |
| TUN-VIPER-RX-DATA6 | B07c (1x) |
| TUN-VIPER-RX-DATA7 | B05c (1x) |
| TUN-VIPER-RX-DATA7 | B07c (1x) |
| TUN-VIPER-RX-DATA8 | B05c (1x) |
| TUN-VIPER-RX-DATA8 | B07c (1x) |
| TUN-VIPER-RX-DATA9 | B05c (1x) |
| TUN-VIPER-RX-DATA9 | B07c (1x) |
| TUN-VIPER-TX-BUSY | B05c (1x) |
| TUN-VIPER-TX-BUSY | B07c (1x) |
| TUN-VIPER-TX-CLKN | B05c (1x) |
| TUN-VIPER-TX-CLKN | B07c (1x) |
| TUN-VIPER-TX-CLKP | B05c (1x) |
| TUN-VIPER-TX-CLKP | B07c (1x) |
| TUN-VIPER-TX-DATA0 | B05c (1x) |
| TUN-VIPER-TX-DATA0 | B07c (1x) |
| TUN-VIPER-TX-DATA1 | B05c (1x) |
| TUN-VIPER-TX-DATA1 | B07c (1x) |
| TUN-VIPER-TX-DATA10 | B05c (1x) |
| TUN-VIPER-TX-DATA10 | B07c (1x) |
| TUN-VIPER-TX-DATA11 | B05c (1x) |
| TUN-VIPER-TX-DATA11 | B07c (1x) |
| TUN-VIPER-TX-DATA12 | B05c (1x) |
| TUN-VIPER-TX-DATA12 | B07c (1x) |
| TUN-VIPER-TX-DATA13 | B05c (1x) |
| TUN-VIPER-TX-DATA13 | B07c (1x) |
| TUN-VIPER-TX-DATA14 | B05c (1x) |
| TUN-VIPER-TX-DATA14 | B07c (1x) |
| TUN-VIPER-TX-DATA15 | B05c (1x) |
| TUN-VIPER-TX-DATA15 | B07c (1x) |
| TUN-VIPER-TX-DATA2 | B05c (1x) |
| TUN-VIPER-TX-DATA2 | B07c (1x) |
| TUN-VIPER-TX-DATA3 | B05c (1x) |
| TUN-VIPER-TX-DATA3 | B07c (1x) |
| TUN-VIPER-TX-DATA4 | B05c (1x) |
| TUN-VIPER-TX-DATA4 | B07c (1x) |
| TUN-VIPER-TX-DATA5 | B05c (1x) |
| TUN-VIPER-TX-DATA5 | B07c (1x) |
| TUN-VIPER-TX-DATA6 | B05c (1x) |
| TUN-VIPER-TX-DATA6 | B07c (1x) |
| TUN-VIPER-TX-DATA7 | B05c (1x) |
| TUN-VIPER-TX-DATA7 | B07c (1x) |
| TUN-VIPER-TX-DATA8 | B05c (1x) |
| TUN-VIPER-TX-DATA8 | B07c (1x) |
| TUN-VIPER-TX-DATA9 | B05c (1x) |
| TUN-VIPER-TX-DATA9 | B07c (1x) |
| TXD | B10d (2x) |
| TXD | B12b (1x) |
| TXD | B16c (1x) |
| TXD-UP | B05e (1x) |
| TXD-UP | B10d (1x) |
| TXD-VIPER | B07a (1x) |
| TXD-VIPER | B10d (2x) |
| TXEA- | B08a (1x) |
| TXEA- | B08e (1x) |
| TXEA+ | B08a (1x) |
| TXEA+ | B08e (1x) |
| TXEB- | B08a (1x) |
| TXEB- | B08e (1x) |
| TXEB+ | B08a (1x) |
| TXEB+ | B08e (1x) |
| TXEC- | B08a (1x) |
| TXEC- | B08e (1x) |
| TXEC+ | B08a (1x) |
| TXEC+ | B08e (1x) |
| TXECLK- | B08a (1x) |
| TXECLK- | B08e (1x) |
| TXECLK+ | B08a (1x) |
| TXECLK+ | B08e (1x) |
| TXED- | B08a (1x) |
| TXED- | B08e (1x) |
| TXED+ | B08a (1x) |
| TXED+ | B08e (1x) |
| TXEE- | B08a (1x) |
| TXEE- | B08e (1x) |
| TXEE+ | B08a (1x) |
| TXEE+ | B08e (1x) |
| TXFPGAEA-_G7 | B08a (1x) |
| TXFPGAEA-_G7 | B08c (1x) |
| TXFPGAEA+_G6 | B08a (1x) |
| TXFPGAEA+_G6 | B08c (1x) |
| TXFPGAEB-_G5 | B08a (1x) |
| TXFPGAEB-_G5 | B08c (1x) |
| TXFPGAEB+_G4 | B08a (1x) |
| TXFPGAEB+_G4 | B08c (1x) |
| TXFPGAEC-_G3 | B08a (1x) |
| TXFPGAEC-_G3 | B08c (1x) |
| TXFPGAEC+_G2 | B08a (1x) |
| TXFPGAEC+_G2 | B08c (1x) |
| TXFPGAECLK-_G0 | B08a (1x) |
| TXFPGAECLK-_G0 | B08c (1x) |
| TXFPGAECLK+_G1 | B08a (1x) |
| TXFPGAECLK+_G1 | B08c (1x) |
| TXFPGAED-_R9 | B08a (1x) |
| TXFPGAED-_R9 | B08c (1x) |
| TXFPGAED+_R8 | B08a (1x) |
| TXFPGAED+_R8 | B08c (1x) |
| TXFPGAEE-_R7 | B08a (1x) |
| TXFPGAEE-_R7 | B08c (1x) |
| TXFPGAEE+_R6 | B08a (1x) |
| TXFPGAEE+_R6 | B08c (1x) |
| TXFPGAOA-_B9 | B08a (1x) |
| TXFPGAOA-_B9 | B08c (1x) |
| TXFPGAOA+_B8 | B08a (1x) |
| TXFPGAOA+_B8 | B08c (1x) |
| TXFPGAOB-_B7 | B08a (1x) |
| TXFPGAOB-_B7 | B08c (1x) |
| TXFPGAOB+_B6 | B08a (1x) |
| TXFPGAOB+_B6 | B08c (1x) |
| TXFPGAOC-_B5 | B08a (1x) |
| TXFPGAOC-_B5 | B08c (1x) |
| TXFPGAOC+_B4 | B08a (1x) |
| TXFPGAOC+_B4 | B08c (1x) |
| TXFPGAOCLK-_B2 | B08a (1x) |
| TXFPGAOCLK-_B2 | B08c (1x) |
| TXFPGAOCLK+_B3 | B08a (1x) |
| TXFPGAOCLK+_B3 | B08c (1x) |
| TXFPGAOD-_B1 | B08a (1x) |
| TXFPGAOD-_B1 | B08c (1x) |
| TXFPGAOD+_B0 | B08a (1x) |
| TXFPGAOD+_B0 | B08c (1x) |
| TXFPGAOE-_G9 | B08a (1x) |
| TXFPGAOE-_G9 | B08c (1x) |
| TXFPGAOE+_G8 | B08a (1x) |
| TXFPGAOE+_G8 | B08c (1x) |
| TXOA- | B08a (1x) |
| TXOA- | B08e (1x) |
| TXOA+ | B08a (1x) |
| TXOA+ | B08e (1x) |
| TXOB- | B08a (1x) |
| TXOB- | B08e (1x) |
| TXOB+ | B08a (1x) |
| TXOB+ | B08e (1x) |
| TXOC- | B08a (1x) |
| TXOC- | B08e (1x) |
| TXOC+ | B08a (1x) |
| TXOC+ | B08e (1x) |
| TXOCLK- | B08a (1x) |
| TXOCLK- | B08e (1x) |
| TXOCLK+ | B08a (1x) |
| TXOCLK+ | B08e (1x) |
| TXOD- | B08a (1x) |
| TXOD- | B08e (1x) |
| TXOD+ | B08a (1x) |
| TXOD+ | B08e (1x) |
| TXOE- | B08a (1x) |
| TXOE- | B08e (1x) |
| TXOE+ | B08a (1x) |
| TXOE+ | B08e (1x) |
| TXPNXA- | B05b (2x) |
| TXPNXA+ | B05b (2x) |
| TXPNXB- | B05b (2x) |
| TXPNXB+ | B05b (2x) |
| TXPNXC- | B05b (2x) |
| TXPNXC+ | B05b (2x) |
| TXPNXCLK- | B05b (2x) |
| TXPNXCLK+ | B05b (2x) |
| TXPNXD- | B05b (2x) |
| TXPNXD+ | B05b (2x) |
| TXPNXE- | B05b (2x) |
| TXPNXE+ | B05b (2x) |
| UART-SWITCH | B05e (2x) |
| UART-SWITCH | B10d (1x) |
| UART-SWITCHn | B10d (2x) |
| UDQS | B06b (2x) |
| UP-3V3 | B05f (2x) |
| USB11-1-DM | B07a (1x) |
| USB11-1-DM | B12a (1x) |
| USB11-1-DP | B07a (1x) |
| USB11-1-DP | B12a (1x) |
| USB11-2-DM | B07a (1x) |
| USB11-2-DM | B12a (1x) |
| USB11-2-DP | B07a (1x) |
| USB11-2-DP | B12a (1x) |
| USB11-BUS-PW | B07a (1x) |
| USB11-BUS-PW | B12a (1x) |
| USB11-OVERCUR | B07a (1x) |
| USB11-OVERCUR | B12a (1x) |
| USB-1-DM | B12a (2x) |
| USB-1-DM | B16e (1x) |
| USB-1-DP | B12a (2x) |
| USB-1-DP | B16e (1x) |
| USB-2-DM | B12a (2x) |
| USB-2-DM | B16e (1x) |
| USB-2-DP | B12a (2x) |
| USB-2-DP | B16e (1x) |
| USB-BUS-PW | B12a (2x) |
| USB-BUS-PW | B16e (1x) |
| USB-BUS-PW2 | B12a (1x) |
| USB-BUS-PW2 | B16e (1x) |
| USB-OVERCUR | B12a (3x) |
| USB-OVERCUR | B16e (1x) |
| USB-OVERCUR2 | B12a (1x) |
| USB-OVERCUR2 | B16e (1x) |
| U-VOLT-DETECT | B15a (3x) |
| VCC_EXTO | B10a (4x) |
| VCCEN | B10a (2x) |
| VDISP | B08a (1x) |
| VDISP | B08f (1x) |
| VN1 | B15a (4x) |
| VN2 | B15b (2x) |
| VP1 | B15a (4x) |
| VP2 | B15b (2x) |
| VPPEN | B10a (3x) |
| VREF-AUD-POS | B04b (2x) |
| VREF-AUD-POS | B05a (1x) |
| VREFD-DDR | B07b (3x) |
| VREF-DDR-1V25 | B05d (2x) |
| VREF-DDR-PNX | B05d (2x) |
| VREF-DDR-VPR | B07b (2x) |
| VREFS | B06b (5x) |
| VREF-VPR | B07c (2x) |
| VS1 | B10a (3x) |
| VS2 | B10a (3x) |
| VS2_MOCLKA-CI | B10a (2x) |
| VSW | B01a (3x) |
| VSW | B01b (1x) |
| V-SYNC-VGA | B09b (1x) |
| V-SYNC-VGA | B11a (1x) |
| WAITA | B10a (3x) |
| WE | B06b (2x) |
| WE | B10a (2x) |
| WRITE | B08e (1x) |
| WRITE | B08g (2x) |
| XIO-A0_CLE | B10c (1x) |
| XIO-A0_CLE | B10d (1x) |
| XIO-A0_CLE | B14b (2x) |
| XIO-A1_ALE | B10c (1x) |
| XIO-A1_ALE | B10d (1x) |
| XIO-A1_ALE | B14a (2x) |
| XIO-A1_ALE | B14b (2x) |
| XIO-A10 | B10c (1x) |
| XIO-A10 | B14a (1x) |
| XIO-A10 | B14b (2x) |
| XIO-A11 | B10c (1x) |
| XIO-A11 | B14a (1x) |
| XIO-A11 | B14b (2x) |
| XIO-A12 | B10c (1x) |
| XIO-A12 | B14a (1x) |
| XIO-A12 | B14b (2x) |
| XIO-A13 | B10c (1x) |
| XIO-A13 | B14a (1x) |
| XIO-A13 | B14b (2x) |
| XIO-A14 | B10c (1x) |
| XIO-A14 | B14a (1x) |
| XIO-A14 | B14b (2x) |
| XIO-A15 | B14a (1x) |
| XIO-A15 | B14b (2x) |
| XIO-A16_D8 | B10d (1x) |
| XIO-A16_D8 | B14b (2x) |
| XIO-A17_D9 | B10d (1x) |
| XIO-A17_D9 | B14b (2x) |
| XIO-A18_D10 | B10d (1x) |
| XIO-A18_D10 | B14b (2x) |
| XIO-A19_D11 | B10d (1x) |
| XIO-A19_D11 | B14b (2x) |
| XIO-A2 | B10c (1x) |
| XIO-A2 | B14b (1x) |
| XIO-A20_D12 | B10d (1x) |
| XIO-A20_D12 | B14b (2x) |
| XIO-A21_D13 | B10d (1x) |
| XIO-A21_D13 | B14b (2x) |
| XIO-A22_D14 | B10d (1x) |
| XIO-A22_D14 | B14b (2x) |
| XIO-A23_D15 | B10d (1x) |
| XIO-A23_D15 | B14b (2x) |
| XIO-A3 | B10c (1x) |
| XIO-A3 | B14b (1x) |
| XIO-A4 | B10c (1x) |
| XIO-A4 | B14b (1x) |
| XIO-A5 | B10c (1x) |
| XIO-A5 | B14b (1x) |
| XIO-A6 | B10c (1x) |
| XIO-A6 | B14b (1x) |
| XIO-A7 | B10c (1x) |
| XIO-A7 | B14b (1x) |
| XIO-A8 | B10c (1x) |
| XIO-A8 | B14b (1x) |
| XIO-A9 | B10c (1x) |
| XIO-A9 | B14b (1x) |
| XIO-ACK | B07a (1x) |
| XIO-ACK | B10d (2x) |
| XIO-AS_REn | B10a (1x) |
| XIO-AS_REn | B10d (2x) |
| XIO-AS_REn | B14a (1x) |
| XIO-AS_REn | B14b (1x) |
| XIO-D0 | B14a (1x) |
| XIO-D0 | B14b (2x) |
| XIO-D1 | B14a (1x) |
| XIO-D1 | B14b (2x) |
| XIO-D10 | B07a (1x) |
| XIO-D10 | B14a (1x) |
| XIO-D11 | B07a (1x) |
| XIO-D11 | B14a (1x) |
| XIO-D12 | B07a (1x) |
| XIO-D12 | B14a (1x) |
| XIO-D13 | B07a (1x) |
| XIO-D13 | B14a (1x) |
| XIO-D14 | B07a (1x) |
| XIO-D14 | B14a (1x) |
| XIO-D15 | B07a (1x) |
| XIO-D15 | B14a (1x) |
| XIO-D2 | B14a (1x) |
| XIO-D2 | B14b (2x) |
| XIO-D3 | B14a (1x) |
| XIO-D3 | B14b (2x) |
| XIO-D4 | B14a (1x) |
| XIO-D4 | B14b (2x) |
| XIO-D5 | B14a (1x) |
| XIO-D5 | B14b (2x) |
| XIO-D6 | B14a (1x) |
| XIO-D6 | B14b (2x) |
| XIO-D7 | B14a (1x) |
| XIO-D7 | B14b (2x) |
| XIO-D8 | B07a (1x) |
| XIO-D8 | B14a (1x) |
| XIO-D9 | B07a (1x) |
| XIO-D9 | B14a (1x) |
| XIO-RWn_WEn | B10a (1x) |
| XIO-RWn_WEn | B10d (1x) |
| XIO-RWn_WEn | B14a (2x) |
| XIO-RWn_WEn | B14b (1x) |
| XIO-SEL0 | B07a (2x) |
| XIO-SEL0 | B10d (3x) |
| XIO-SEL0 | B14b (1x) |
| XIO-SEL1 | B07a (1x) |
| XIO-SEL1 | B14a (1x) |
| XIO-SEL1 | B14b (1x) |
| XIO-SEL2 | B07a (1x) |
| XIO-SEL2 | B10a (1x) |
| Y-CVBS-MON-OUT | B16c (2x) |

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## SRP: Direction for Use

### 1.1. Introduction

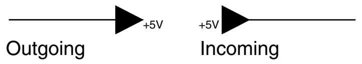
SRP (Service Reference Protocol) is a software tool that creates a list with all references to signal lines. The list contains references to the signals within all schematics of a PWB. It replaces the text references currently printed next to the signal names in the schematics. These printed references are created manually and are therefore not guaranteed to be 100% correct. In addition, in the current crowded schematics there is often none or very little place for these references.
Some of the PWB schematics will use SRP while others will still use the manual references. Either there will be an SRP reference list for a schematic, or there will be printed references in the schematic.

### 1.2. Non-SRP Schematics

There are several different signals available in a schematic:

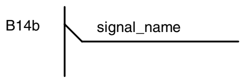
#### 1.2.1. Power Supply Lines

All power supply lines are available in the supply line overview (see chapter 6). In the schematics (see chapter 7) is not indicated where supplies are coming from or going to.
It is however indicated if a supply is incoming (created elsewhere), or outgoing (created or adapted in the current schematic).



#### 1.2.2. Normal Signals

For normal signals, a schematic reference (e.g. B14b) is placed next to the signals.

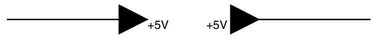


#### 1.2.3. Grounds

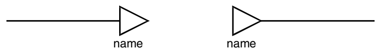
For normal and special grounds (e.g. GNDHOT or GND3V3 etc.), nothing is indicated.

### 1.3. SRP Schematics

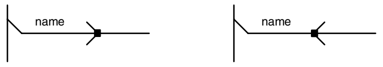
SRP is a tool, which automatically creates a list with signal references, indicating on which schematic the signals are used.
A reference is created for all signals indicated with an SRP symbol, these symbols are:



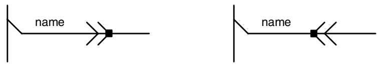
Power supply line.



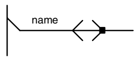
Stand alone signal or switching line (used as less as possible).



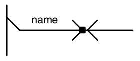
Signal line into a wire tree.



Switching line into a wire tree.



Bi-directional line (e.g. SDA) into a wire tree.



Signal line into a wire tree, its direction depends on the circuit (e.g. ingoing for PDP, outgoing for LCD sets).

**Remarks:**

- When there is a black dot on the "signal direction arrow" it is an SRP symbol, so there will be a reference to the signal name in the SRP list.
- All references to normal grounds (Ground symbols without additional text) are not listed in the reference list, this to keep it concise.
- Signals that are not used in multiple schematics, but only once or several times in the same schematic, are included in the SRP reference list, but only with one reference.

**Additional Tip:**

When using the PDF service manual file, you can very easily search for signal names and follow the signal over all the schematics. In Adobe PDF reader:

- Select the signal name you want to search for, with the "Select text" tool.
- Copy and paste the signal name in the "Search PDF" tool.
- Search for all occurrences of the signal name.
- Now you can quickly jump between the different occurrences and follow the signal over all schematics. It is advised to "zoom in" to e.g. 150% to see clearly, which text is selected. Then you can zoom out, to get an overview of the complete schematic.

**PS.** It is recommended to use at least Adobe PDF (reader) version 6.x, due to better search possibilities in this version.

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## Layout SSB (Top Side Mapping)

| | |
|---|---|
| 1735 | F2 |
| 1736 | F1 |
| 1738 | F1 |
| 1A33 | D3 |
| 1A53 | D3 |
| 1B01 | A6 |
| 1B02 | A5 |
| 1C33 | C3 |
| 1C53 | C3 |
| 1D10 | E1 |
| 1D42 | F7 |
| 1E45 | A1 |
| 1E50 | A1 |
| 1F00 | E7 |
| 1F01 | E5 |
| 1F02 | E8 |
| 1G50 | F5 |
| 1H00 | C6 |
| 1H01 | E6 |
| 1I00 | B4 |
| 1I01 | A3 |
| 1I02 | A4 |
| 1I09 | A3 |
| 1I10 | A3 |
| 1I11 | A5 |
| 1LA0 | B5 |
| 1LA1 | D5 |
| 1M01 | C1 |
| 1M02 | F2 |
| 1M03 | F8 |
| 1M15 | A1 |
| 1M17 | F7 |
| 1M21 | D1 |
| 1M36 | D1 |
| 1M46 | F9 |
| 1M52 | F4 |
| 1M59 | F8 |
| 1M70 | E1 |
| 1M71 | E1 |
| 1N00 | C9 |
| 1N01 | B9 |
| 1N02 | C9 |
| 1N03 | C9 |
| 1N04 | C9 |
| 1O00 | A6 |
| 1O10 | A7 |
| 1P01 | A9 |
| 1T03 | A3 |
| 1T04 | A1 |
| 1T05 | A3 |
| 1T06 | A3 |
| 1W05 | D2 |
| 1W06 | D2 |
| 1Z05 | A7 |
| 1Z10 | A8 |
| 1Z11 | A7 |
| 2A01 | D4 |
| 2A10 | D4 |
| 2A25 | D4 |
| 2A29 | D3 |
| 2A42 | D4 |
| 2A45 | D3 |
| 2A52 | D3 |
| 2A77 | D4 |
| 2A80 | D3 |
| 2A83 | D3 |
| 2A86 | D3 |
| 2A88 | B4 |
| 2A89 | B4 |
| 2A93 | B3 |
| 2A96 | B3 |
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| 2A99 | B3 |
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| 2B04 | A6 |
| 2B05 | A6 |
| 2B06 | A5 |
| 2B07 | A5 |
| 2B08 | A5 |
| 2B09 | A5 |
| 2B10 | A5 |
| 2B11 | A5 |
| 2B14 | A5 |
| 2B15 | A5 |
| 2B16 | A5 |
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| 2B18 | A5 |
| 2B19 | A5 |
| 2B21 | A5 |
| 2B22 | A5 |
| 2B23 | A5 |
| 2B24 | A5 |
| 2B25 | A5 |
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| 2B34 | A5 |
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| 2B36 | A5 |
| 2B38 | A6 |
| 2B39 | A6 |
| 2B40 | A5 |
| 2B41 | A5 |
| 2B42 | A5 |
| 2B49 | A5 |
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| 2B79 | A5 |
| 2B80 | A5 |
| 2B81 | A6 |
| 2B90 | A5 |
| 2B92 | A5 |
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| 2C32 | B4 |
| 2C33 | D3 |
| 2C34 | D3 |
| 2C37 | D3 |
| 2C38 | D3 |
| 2C39 | D3 |
| 2C42 | C4 |
| 2C45 | D3 |
| 2C46 | D3 |
| 2C47 | D3 |
| 2C48 | D3 |
| 2C49 | D3 |
| 2C52 | C3 |
| 2C53 | C3 |
| 2C56 | C3 |
| 2C59 | B3 |
| 2C60 | B3 |
| 2C61 | C4 |
| 2C62 | B3 |
| 2C64 | B3 |
| 2C73 | B3 |
| 2C84 | C3 |
| 2C85 | C3 |
| 2C86 | C3 |
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| 2D01 | F2 |
| 2D02 | E2 |
| 2D03 | F2 |
| 2D09 | E2 |
| 2D10 | E2 |
| 2D12 | E2 |
| 2D13 | E1 |
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| 2D21 | F2 |
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| 2D35 | E2 |
| 2D36 | F1 |
| 2D38 | F2 |
| 2D39 | F2 |
| 2D46 | F2 |
| 2D47 | E2 |
| 2D48 | E2 |
| 2D50 | E1 |
| 2D51 | D1 |
| 2D52 | E2 |
| 2D53 | D2 |
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| 2D93 | D1 |
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| 2DH9 | D2 |
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| 2F0S | E7 |
| 2F0T | E7 |
| 2F0U | E6 |
| 2F0Y | E6 |
| 2F0Z | E6 |
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| 2F1J | E6 |
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| 2F1L | E6 |
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| 2F1S | E6 |
| 2F1T | E6 |
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| 2F2I | F5 |
| 2F2K | F4 |
| 2F2L | F4 |
| 2F2M | E8 |
| 2F2N | E8 |
| 2F2P | F7 |
| 2F2Q | F7 |
| 2F2R | E5 |
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| 2F3C | E5 |
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| 2F3E | D7 |
| 2F3F | D7 |
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| 2F3H | E5 |
| 2F3I | E5 |
| 2F3J | E5 |
| 2F3K | E5 |
| 2F3L | E5 |
| 2F3M | E5 |
| 2F3N | E5 |
| 2F3P | E5 |
| 2F3Q | E5 |
| 2F3R | E5 |
| 2F3S | E5 |
| 2F3T | E5 |
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| 2F4E | D7 |
| 2F4F | D6 |
| 2F4G | D6 |
| 2F4H | D7 |
| 2F4J | E5 |
| 2F4K | E5 |
| 2F4L | E5 |
| 2F4M | E5 |
| 2F4N | E5 |
| 2F4P | E5 |
| 2F4Q | E5 |
| 2F4T | E5 |
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| 2H09 | C6 |
| 2H10 | B6 |
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| 2I05 | A3 |
| 2I06 | A3 |
| 2I07 | A3 |
| 2I08 | A3 |
| 2I09 | B4 |
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| 2I83 | A4 |
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| 2J06 | C5 |
| 2J08 | C5 |
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| 2L20 | C5 |
| 2L21 | C5 |
| 2L22 | C5 |
| 2L23 | C5 |
| 2L54 | C5 |
| 2L59 | C5 |
| 2L60 | C5 |
| 2L61 | C5 |
| 2L64 | C5 |
| 2L65 | D5 |
| 2L69 | D5 |
| 2L73 | C5 |
| 2L74 | C5 |
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| 2LA2 | B5 |
| 2LA4 | B5 |
| 2LA5 | B4 |
| 2LA6 | B4 |
| 2LA7 | B4 |
| 2LA8 | B4 |
| 2LA9 | B4 |
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| 2LB1 | B6 |
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| 2LB4 | B5 |
| 2LC0 | B5 |
| 2LC1 | C5 |
| 2LC2 | B5 |
| 2LC3 | B5 |
| 2LC4 | B5 |
| 2LC5 | B5 |
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| 2LD2 | C6 |
| 2LD3 | C5 |
| 2LD4 | C6 |
| 2LD5 | C5 |
| 2LD6 | C5 |
| 2LD7 | C5 |
| 2LD8 | C5 |
| 2LD9 | C5 |
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| 2LE1 | C5 |
| 2LE2 | C5 |
| 2LE3 | C5 |
| 2LE4 | C5 |
| 2LE7 | C5 |
| 2LF0 | C5 |
| 2LF1 | C5 |
| 2LF2 | C5 |
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| 2LF6 | C5 |
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| 2LF8 | C5 |
| 2LF9 | C5 |
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| 2LG4 | C5 |
| 2LG5 | C5 |
| 2LG6 | C5 |
| 2LH2 | C6 |
| 2LH3 | C5 |
| 2LH5 | B5 |
| 2LH6 | B5 |
| 2LH7 | B5 |
| 2LH8 | B5 |
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| 2LN4 | B5 |
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| 2M02 | F8 |
| 2M03 | F9 |
| 2M04 | F9 |
| 2M05 | F8 |
| 2M06 | F9 |
| 2M0I | F8 |
| 2M0J | F9 |
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| 2M14 | E8 |
| 2M15 | B1 |
| 2M1S | F5 |
| 2M1T | E6 |
| 2M1U | F6 |
| 2M40 | F9 |
| 2M41 | F9 |
| 2M42 | F9 |
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| 2M4B | B1 |
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| 2M53 | B1 |
| 2M54 | B1 |
| 2M57 | B1 |
| 2M5P | B1 |
| 2M6B | B2 |
| 2M6C | B2 |
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| 2N03 | C9 |
| 2N04 | C8 |
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| 2N10 | C8 |
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| 2N13 | C9 |
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| 2O24 | A6 |
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| 2Q07 | C7 |
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| 2Q12 | B7 |
| 2Q13 | B7 |
| 2Q14 | B7 |
| 2Q15 | C7 |
| 2Q16 | C7 |
| 2Q17 | C6 |
| 2Q18 | B7 |
| 2Q19 | B7 |
| 2Q20 | C7 |
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| 2Q27 | C7 |
| 2Q28 | B7 |
| 2Q29 | B7 |
| 2Q30 | C7 |
| 2Q31 | B7 |
| 2Q32 | B7 |
| 2Q33 | C7 |
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| 2Q35 | B7 |
| 2Q36 | C7 |
| 2Q37 | C7 |
| 2Q38 | C7 |
| 2Q39 | C7 |
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| 2Q41 | B7 |
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| 2Q46 | C7 |
| 2Q47 | C7 |
| 2Q48 | C7 |
| 2Q49 | C7 |
| 2Q50 | B7 |
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| 2Q52 | C7 |
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| 2Q56 | C7 |
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| 2Q63 | C7 |
| 2Q64 | C7 |
| 2Q65 | C7 |
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| 2Q72 | C7 |
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| 2Q74 | C7 |
| 2Q75 | B7 |
| 2Q76 | C7 |
| 2Q77 | C7 |
| 2Q78 | C7 |
| 2Q79 | C7 |
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| 2Q82 | C8 |
| 2Q83 | B6 |
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| 2R09 | E4 |
| 2R11 | E4 |
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| 2R35 | E4 |
| 2R36 | E4 |
| 2R37 | E4 |
| 2R38 | E4 |
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| 2R40 | E4 |
| 2R41 | E4 |
| 2R43 | E4 |
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| 2R68 | E3 |
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| 5C70 | C3 |
| 5D01 | E1 |
| 5D10 | E1 |
| 5D11 | E2 |
| 5D13 | F1 |
| 5D14 | E2 |
| 5D16 | F1 |
| 5D17 | F2 |
| 5D20 | D1 |
| 5D21 | D2 |
| 5D23 | D1 |
| 5D24 | E2 |
| 5D26 | E1 |
| 5D27 | E2 |
| 5F00 | F5 |
| 5F01 | F5 |
| 5F02 | F5 |
| 5F03 | F5 |
| 5F04 | F5 |
| 5F05 | F4 |
| 5F06 | F5 |
| 5F07 | F5 |
| 5F08 | F5 |
| 5F09 | F5 |
| 5F0A | F5 |
| 5F0B | F5 |
| 5F0D | E6 |
| 5F0H | F7 |
| 5F0I | F7 |
| 5F0J | F7 |
| 5F0K | F5 |
| 5F0L | F5 |
| 5F0M | F5 |
| 5F0N | E5 |
| 5F0P | E5 |
| 5F0Q | E5 |
| 5F0R | E5 |
| 5F0S | E5 |
| 5F0U | F5 |
| 5F0V | F5 |
| 5F10 | E5 |
| 5F11 | E5 |
| 5F22 | E6 |
| 5F23 | E6 |
| 5F30 | E7 |
| 5F62 | E8 |
| 5J00 | C5 |
| 5J01 | C5 |
| 5J02 | B5 |
| 5J03 | C5 |
| 5J04 | C5 |
| 5J05 | C5 |
| 5J06 | C5 |
| 5J07 | C5 |
| 5L50 | C5 |
| 5L51 | C5 |
| 5L52 | C5 |
| 5LA1 | B6 |
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| 5LN2 | B5 |
| 5LN4 | B4 |
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| 5M09 | F6 |
| 5M0A | F6 |
| 5M10 | B1 |
| 5M40 | F9 |
| 5M41 | F9 |
| 5M42 | F9 |
| 5M43 | F9 |
| 5M44 | F9 |
| 5M45 | F9 |
| 5M46 | F9 |
| 5M47 | F9 |
| 5M48 | F9 |
| 5M49 | F9 |
| 5M4A | F9 |
| 5N00 | C9 |
| 5N01 | B9 |
| 5O00 | A6 |
| 5O01 | A6 |
| 5Q01 | C7 |
| 5Q02 | C7 |
| 5Q03 | C7 |
| 5Q04 | B7 |
| 5Q05 | B7 |
| 5R00 | E4 |
| 5R01 | E4 |
| 5R02 | E4 |
| 5R03 | E4 |
| 5R04 | E4 |
| 5R05 | E4 |
| 5U00 | C9 |
| 5U01 | F9 |
| 5U02 | D9 |
| 5U03 | D9 |
| 5U04 | E9 |
| 5U05 | C9 |
| 5U06 | D9 |
| 5U07 | C9 |
| 5U08 | C9 |
| 5U09 | C9 |
| 5U0A | D9 |
| 5U0B | D9 |
| 5U0C | D9 |
| 5U0D | D9 |
| 5U40 | E9 |
| 5U60 | C8 |
| 5U61 | D8 |
| 5U62 | D9 |
| 5U63 | D9 |
| 5Z00 | A8 |
| 5Z01 | A7 |
| 5Z02 | A8 |
| 5Z05 | A8 |
| 5Z06 | A8 |
| 5Z07 | A7 |
| 5Z08 | A7 |
| 5Z50 | A7 |
| 6D11 | E2 |
| 6D80 | F3 |
| 6F01 | F5 |
| 6F03 | E5 |
| 6F06 | E5 |
| 6F07 | E5 |
| 6F62 | E8 |
| 6H00 | B7 |
| 6H01 | C8 |
| 6H03 | B7 |
| 6I01 | A5 |
| 6I02 | A4 |
| 6I03 | A5 |
| 6I04 | A5 |
| 6I05 | A3 |
| 6I06 | A3 |
| 6J07 | B6 |
| 6J08 | B6 |
| 6O00 | A6 |
| 6O01 | A6 |
| 6U12 | E9 |
| 7A00 | D4 |
| 7A01 | D4 |
| 7A03 | B3 |
| 7A04 | B3 |
| 7B03 | A6 |
| 7B06 | A6 |
| 7C00 | C4 |
| 7C01 | C4 |
| 7C02 | C4 |
| 7C05 | D3 |
| 7C06 | D3 |
| 7D09 | E2 |
| 7D12 | E2 |
| 7D33 | D2 |
| 7F01 | E7 |
| 7F02 | E7 |
| 7F04 | E7 |
| 7F08 | E8 |
| 7F09 | F7 |
| 7F10 | E6 |
| 7F11 | E8 |
| 7F12 | E8 |
| 7F13 | E5 |
| 7F14 | D6 |
| 7F15 | D6 |
| 7F17 | D7 |
| 7F19 | E6 |
| 7F21 | E7 |
| 7F25 | F4 |
| 7F58 | E8 |
| 7F60 | E7 |
| 7F62 | E8 |
| 7F64 | F8 |
| 7I01 | A3 |
| 7I02 | A3 |
| 7J01 | B6 |
| 7J02 | B6 |
| 7L50 | D5 |
| 7L51 | B6 |
| 7L52 | B6 |
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| 7LA7 | B5 |
| 7LB8 | B5 |
| 7LB9 | B5 |
| 7M10 | B1 |
| 7M11 | B1 |
| 7M12 | B1 |
| 7M40 | B1 |
| 7M80 | A5 |
| 7M81 | A5 |
| 7M84 | A5 |
| 7M85 | A5 |
| 7M86 | A5 |
| 7M87 | A5 |
| 7R04 | D3 |
| 7R10 | F3 |
| 7R11 | F4 |
| 7R12 | F3 |
| 7U01 | D9 |
| 7U02 | E9 |
| 7U03 | E9 |
| 7U61 | D9 |
| 7V01 | D8 |
| 7V02 | D7 |
| 7V05 | B6 |
| 7V10 | B6 |
| 7Z01 | A7 |
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| 9A12 | B4 |
| 9A13 | B4 |
| 9A14 | B4 |
| 9A15 | B4 |
| 9A16 | B4 |
| 9A17 | B4 |
| 9A18 | B4 |
| 9A19 | B4 |
| 9A20 | B4 |
| 9A24 | B4 |
| 9A55 | D3 |
| 9B00 | A6 |
| 9B11 | A6 |
| 9B12 | A5 |
| 9B13 | A5 |
| 9B14 | A5 |
| 9B15 | A5 |
| 9B16 | A6 |
| 9B17 | A6 |
| 9B20 | A5 |
| 9B21 | A5 |
| 9B22 | A5 |
| 9B23 | A5 |
| 9B30 | A5 |
| 9C01 | D3 |
| 9C03 | D3 |
| 9C08 | D3 |
| 9C09 | D3 |
| 9C55 | B3 |
| 9D01 | F3 |
| 9F13 | E6 |
| 9F14 | E6 |
| 9F15 | E6 |
| 9F16 | E6 |
| 9F17 | E5 |
| 9F18 | E7 |
| 9F21 | E7 |
| 9F29 | E5 |
| 9F2F | E7 |
| 9F2G | E7 |
| 9F2H | F6 |
| 9F2J | E8 |
| 9F2K | E7 |
| 9F2N | F7 |
| 9F2P | F7 |
| 9F2R | E7 |
| 9F2S | F7 |
| 9F30 | E5 |
| 9F31 | E5 |
| 9F32 | E5 |
| 9F33 | E5 |
| 9F34 | E5 |
| 9F35 | E5 |
| 9F36 | E7 |
| 9F37 | E7 |
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| 9F39 | E7 |
| 9F40 | E7 |
| 9F41 | E8 |
| 9F42 | E7 |
| 9F43 | E7 |
| 9F44 | E7 |
| 9F45 | E7 |
| 9F46 | E7 |
| 9F47 | E7 |
| 9F48 | E7 |
| 9F49 | E7 |
| 9F50 | E7 |
| 9F51 | E7 |
| 9F52 | E7 |
| 9F53 | E7 |
| 9H03 | C7 |
| 9H04 | C7 |
| 9H05 | B6 |
| 9H06 | C6 |
| 9H07 | C6 |
| 9H08 | C6 |
| 9H09 | B7 |
| 9H13 | C6 |
| 9H15 | B8 |
| 9H16 | C7 |
| 9H18 | B7 |
| 9H19 | B7 |
| 9H20 | B7 |
| 9H26 | B7 |
| 9H27 | C7 |
| 9H29 | C7 |
| 9H30 | B7 |
| 9H32 | B7 |
| 9H33 | B7 |
| 9H34 | B7 |
| 9J22 | B4 |
| 9J24 | C4 |
| 9L04 | B6 |
| 9L09 | B5 |
| 9L10 | B5 |
| 9L11 | B5 |
| 9L12 | B5 |
| 9LA0 | B5 |
| 9LA1 | B5 |
| 9LA2 | B5 |
| 9LA3 | B5 |
| 9LA6 | B5 |
| 9LC7 | B5 |
| 9M02 | F6 |
| 9M03 | F6 |
| 9M04 | F6 |
| 9M05 | F6 |
| 9M10 | B1 |
| 9M11 | B1 |
| 9M12 | B1 |
| 9M21 | B8 |
| 9M22 | B8 |
| 9M40 | F9 |
| 9M41 | F9 |
| 9M60 | D6 |
| 9M61 | D6 |
| 9M62 | D6 |
| 9M63 | D6 |
| 9M64 | D6 |
| 9M65 | D6 |
| 9M66 | D6 |
| 9M67 | D6 |
| 9M68 | D6 |
| 9M80 | A5 |
| 9M88 | B2 |
| 9M8A | B2 |
| 9M8B | B2 |
| 9M8C | B2 |
| 9M8D | B2 |
| 9M8G | B2 |
| 9M8H | B2 |
| 9M8I | B2 |
| 9M8J | B2 |
| 9M90 | B1 |
| 9M91 | B1 |
| 9N01 | C9 |
| 9N02 | C8 |
| 9N04 | B9 |
| 9N05 | C8 |
| 9N06 | B9 |
| 9N07 | B9 |
| 9N08 | C8 |
| 9N09 | C8 |
| 9N12 | C8 |
| 9N14 | C9 |
| 9O16 | A7 |
| 9R01 | E3 |
| 9R02 | E4 |
| 9R06 | E4 |
| 9R08 | D3 |
| 9U07 | C9 |
| 9U08 | E9 |
| 9U09 | E9 |
| 9U10 | E9 |
| 9U11 | D9 |
| 9U12 | D9 |
| 9U40 | E8 |
| 9U41 | E8 |
| 9W33 | B2 |
| 9W34 | B2 |
| 9Y02 | B3 |
| 9Y03 | B3 |
| 9Y04 | B3 |
| 9Y06 | B3 |
| 9Y07 | B3 |
| 9Z51 | A7 |
| 9Z52 | A7 |
| 9Z53 | A7 |
| 9Z54 | A7 |
| 9Z55 | A7 |
| 9Z56 | A7 |
| 9Z57 | A7 |
| 9Z58 | A7 |
| 9Z60 | A7 |
| 9Z61 | A7 |
| 9Z62 | A7 |
| 9Z63 | A7 |
| 9Z64 | A7 |
| 9Z65 | A7 |
| 9Z66 | A7 |
| 9Z67 | A7 |
| 9Z70 | A7 |
| 9Z71 | A7 |
| 9Z72 | A7 |
| 9Z73 | A7 |
| 9Z74 | A7 |
| 9Z75 | A7 |
| 9Z76 | A7 |
| 9Z77 | A7 |

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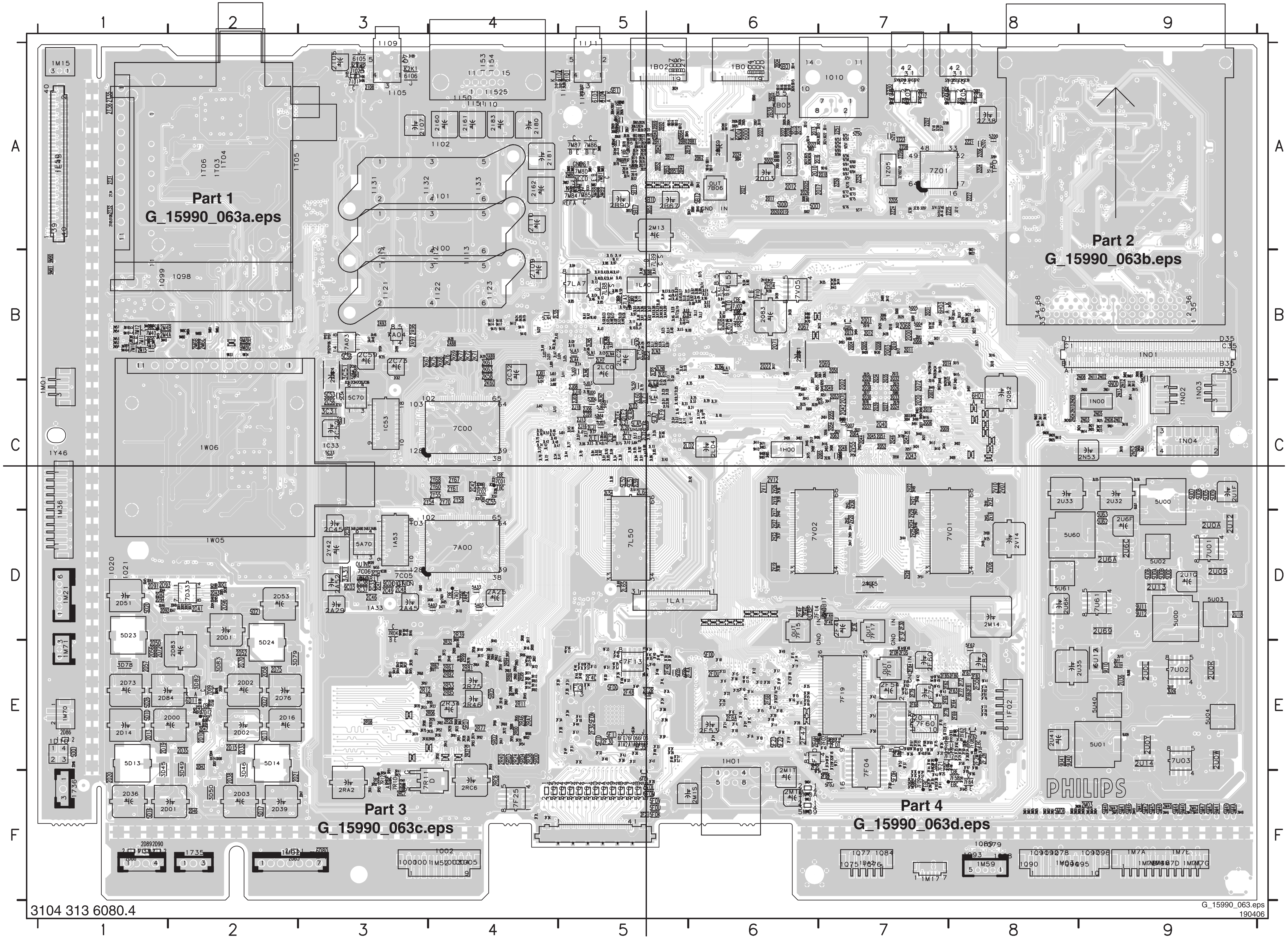
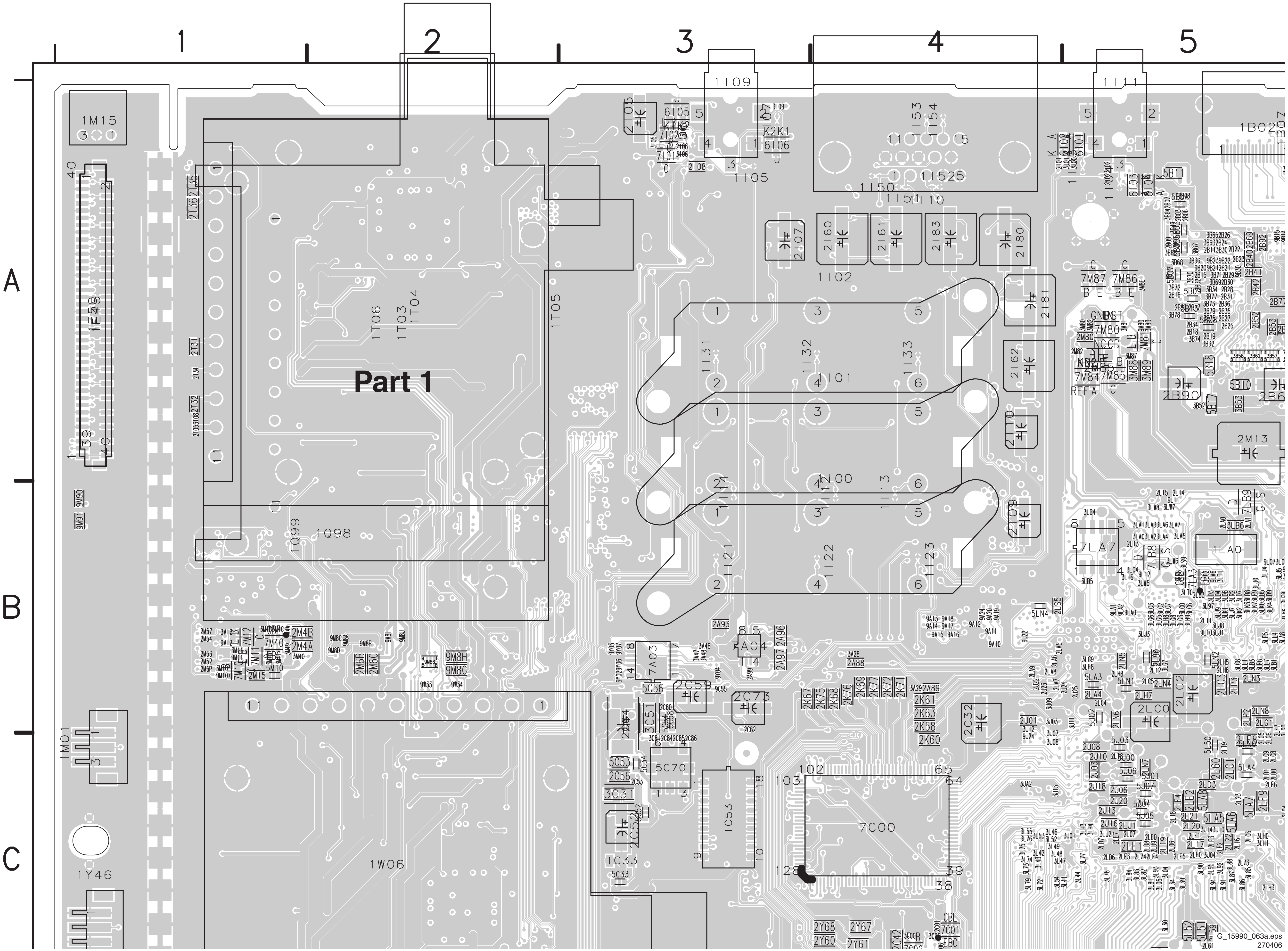
## Layout SSB (Top Side Overview)



1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
Part 1
G_15990_063a.eps
Part 2
G_15990_063b.eps
Part 3
G_15990_063c.eps
Part 4
G_15990_063d.eps
PHILIPS
3104 313 6080.4
7C00
7A00
7L50
7V02
7V01
7F19
7Z01
1W06
1W05
1N01
1LA1
1H01

G_15990_063.eps
190406

## Layout SSB (Top Side Part 1)


1
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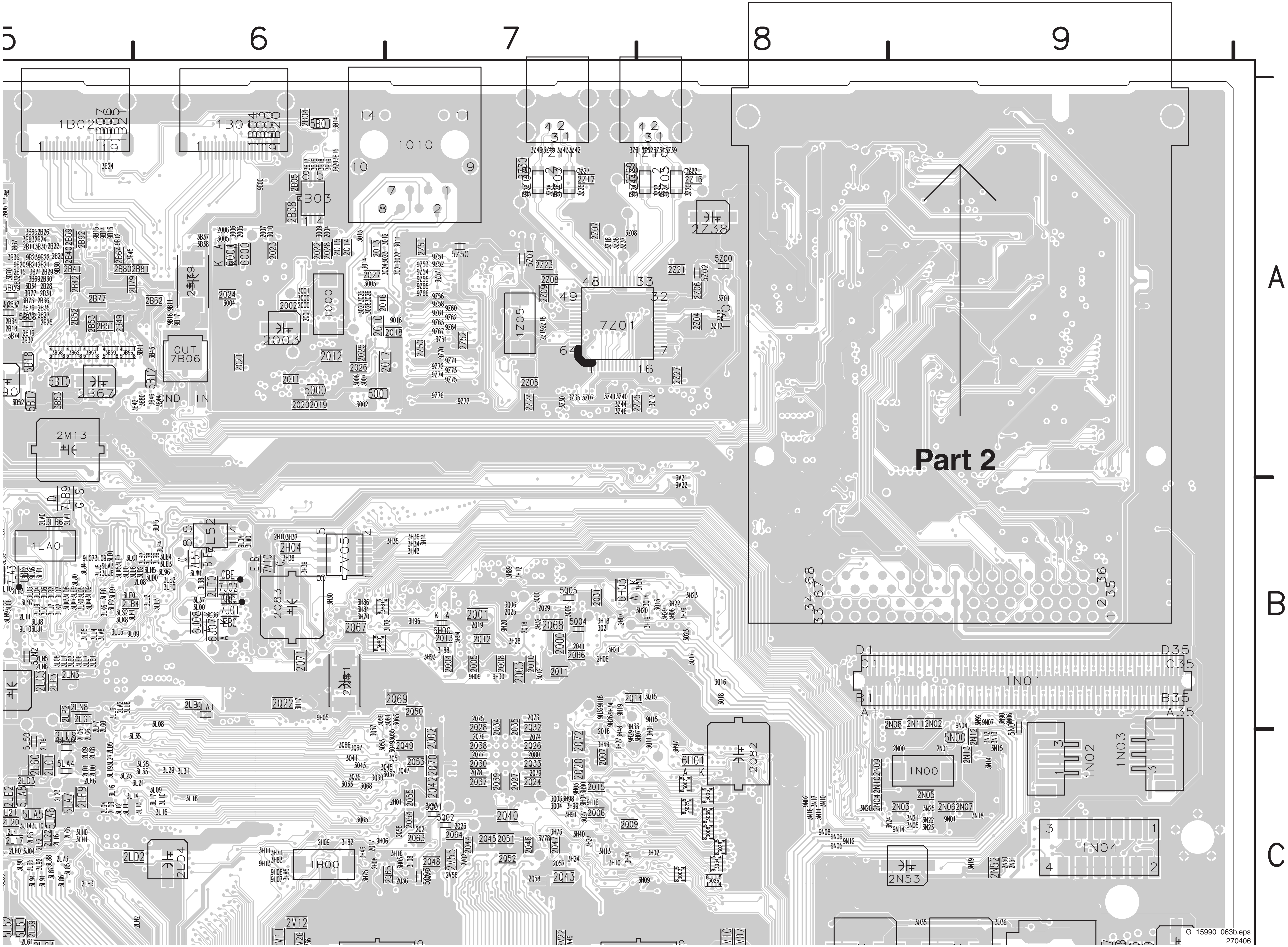
3
4
5
A
B
C
Part 1
1M15
1E40
1T05
1T06
1T03
1T04
1Q99
1Q98
1109
1105
1151
1150
1110
1102
1101
1100
1111
1B02
1LA0
2M13
7LA7
7A03
7A04
5C70
1C53
7C00
1W06
1Y46
1M01
1C33

G_15990_063a.eps
270406

## Layout SSB (Top Side Part 2)


5
6
7
8
9
A
B
C
Part 2
1B02
1B0
1010
7Z01
1Z05
7B06
OUT
GND
IN
2M13
1LA0
2083
7V05
1H00
2Q82
1N01
1N00
1N02
1N03
1N04
2N53
2LD4
2003
2B67

G_15990_063b.eps
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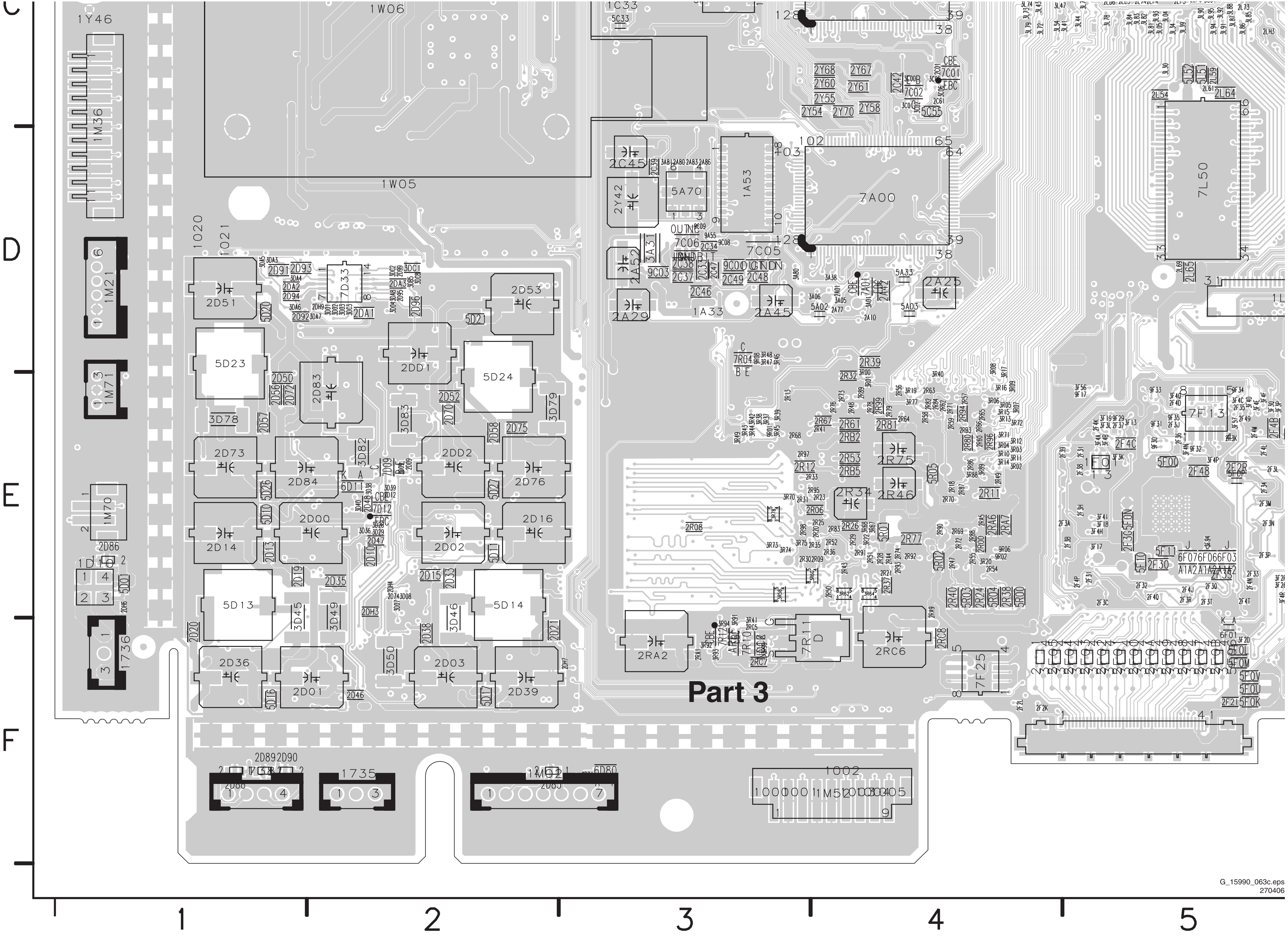
## Layout SSB (Top Side Part 3)


C
D
E
F
1
2
3
4
5
1Y46
1W06
1W05
1C33
5C33
1M36
1M21
1M71
1M70
1736
1020
1021
1D10
2D86
5D01
2D51
5D20
2D91
2D93
7D33
2D92
2DA1
2D96
5D21
2D53
5D23
5D24
2DD1
2D50
2D83
2D52
2D70
3D83
3D79
3D78
2D57
2D73
2D84
3D82
6D11
7D09
2DD2
2D76
2D75
2D58
2D14
2D00
7D12
2D48
2D47
2D10
2D02
2D16
5D13
3D45
3D49
2D35
2D19
2DH3
2D15
3D33
3D46
5D14
2D21
2D20
3D38
2D36
2D01
2D46
3D50
2D03
2D39
5D17
5D16
2D89
2D90
1735
1M02
6D80
1002
1M52
2C45
2C39
2Y42
5A70
1A53
7A00
102
65
64
128
39
38
103
7C06
7C05
2C34
3A31
2A52
9C03
2C38
2C37
2C33
2C47
9C00
2C49
2C48
2C46
1A33
2A29
2A45
2A25
7A01
5A33
5A02
5A03
2Y68
2Y67
2Y60
2Y61
2Y55
2Y54
2Y70
2Y58
2C42
7C01
7C02
5C55
2L54
5L52
5L51
2L59
2L64
7L50
2L65
7R04
2R39
2R32
2R67
2R61
2RB2
2R81
2R53
2RB5
2R75
2R46
2R12
2R34
2R06
2R08
2R26
5R01
2R77
2R11
5R05
2RA6
2RA7
5R02
2R40
5R03
2R24
2R38
5R00
2RA2
7R11
7R10
2RC7
2RC6
2RC8
7F25
7F13
2F4C
5F00
2F48
2E2R
2F4B
5F10
2F30
5F11
2F35
6F07
6F06
6F03
6F01
5F0L
5F0M
5F0V
5F0U
5F0K
2F21
Part 3

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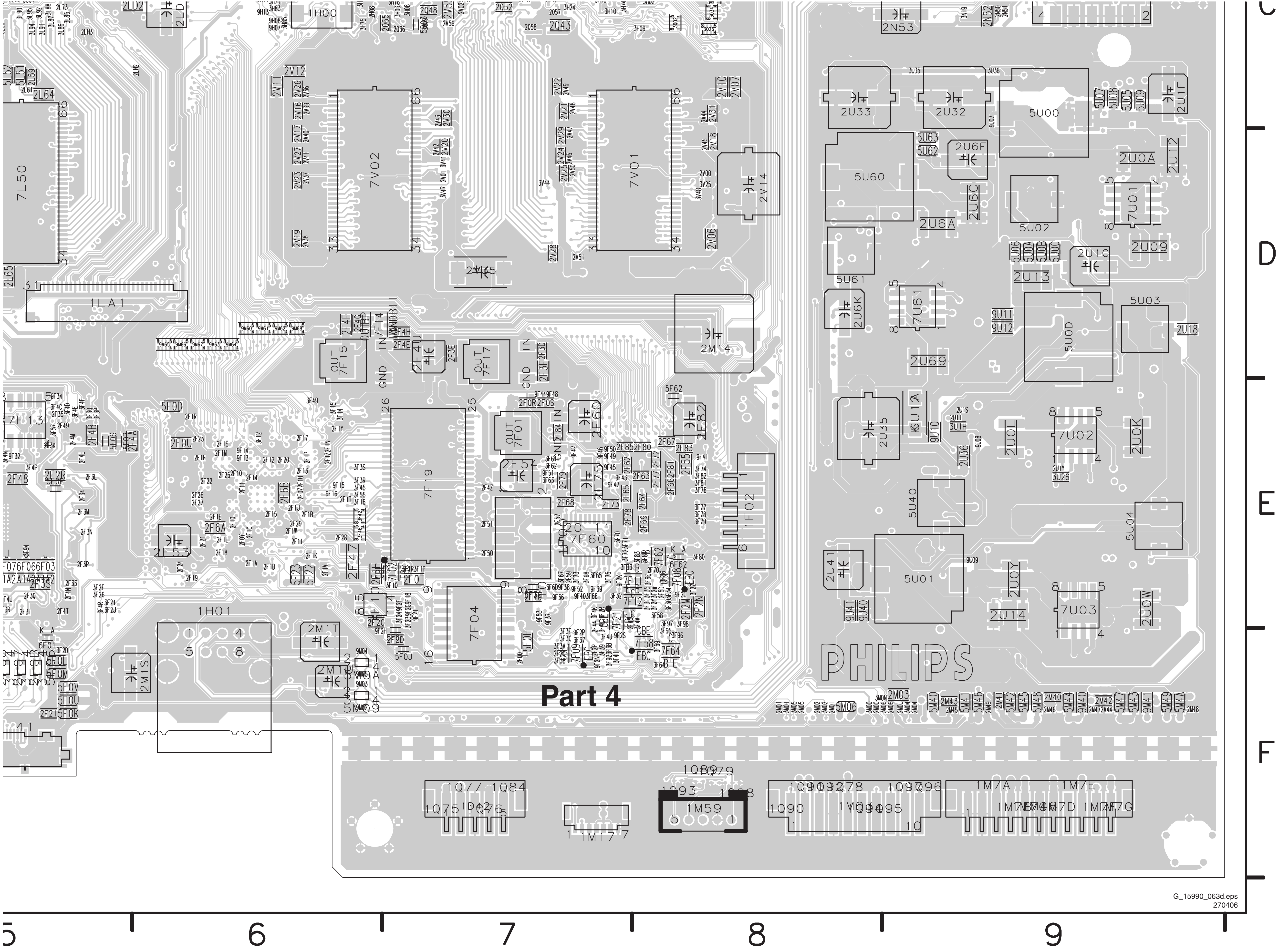
## Layout SSB (Top Side Part 4)


Part 4
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7V01
7L50
1LA1
7F19
7F04
7F60
1F02
1H01
1H00
5U60
5U00
5U01
5U40
5U04
5U0D
5U02
5U03
5U61
7U01
7U02
7U03
7U61
2U33
2U32
2V14
2M14
2U35
1M59
1M17
1Q77
1Q84
1Q75
1Q76
1Q90
1M7A
1M7E
C
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E
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G_15990_063d.eps
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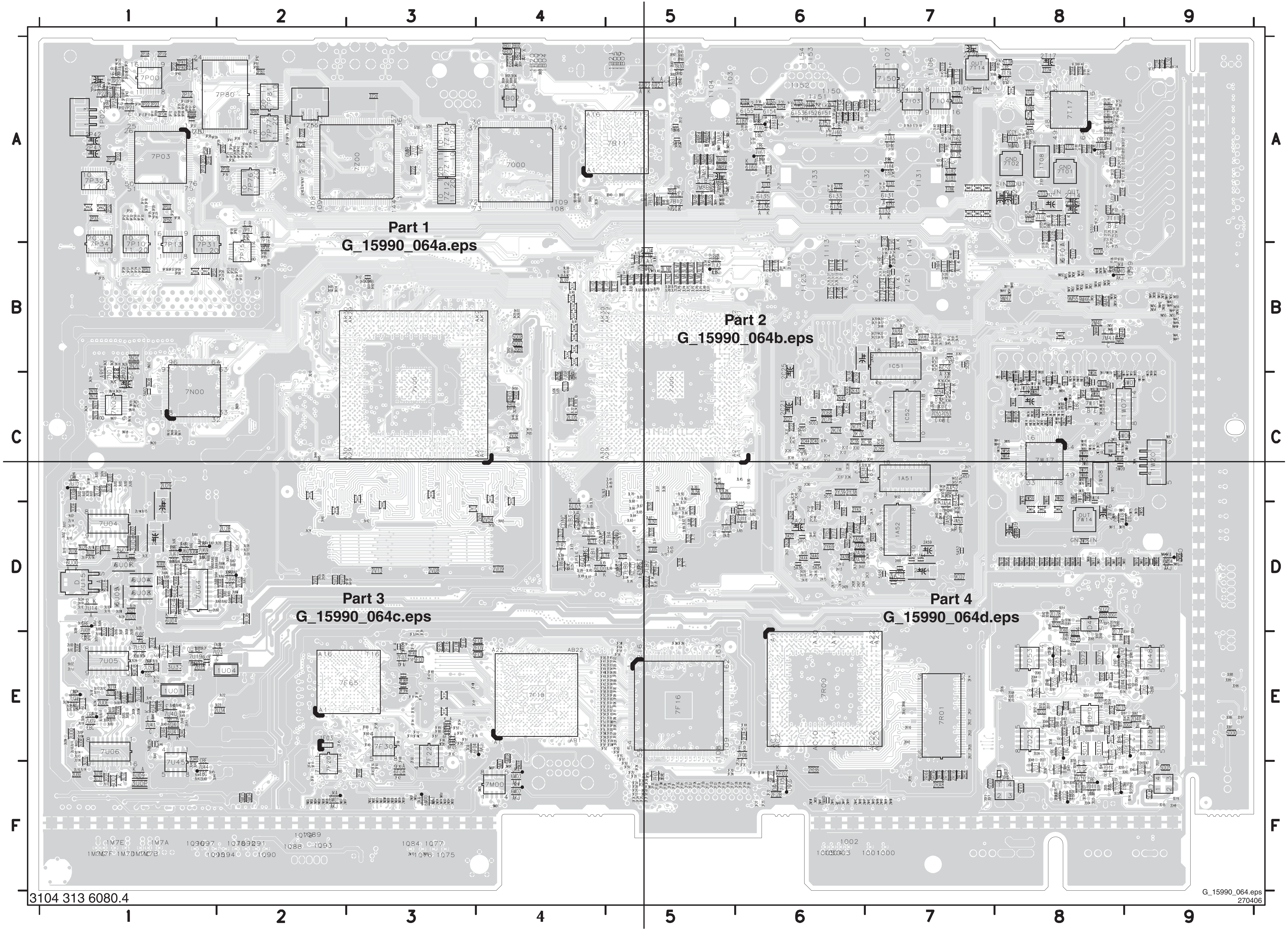
## Layout SSB (Overview Bottom Side)


1
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7
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A
B
C
D
E
F
Part 1
G_15990_064a.eps
Part 2
G_15990_064b.eps
Part 3
G_15990_064c.eps
Part 4
G_15990_064d.eps
7P03
7P80
7Z00
7000
7B11
7T17
7N00
7V00
7J00
7C51
7C52
7A51
7A52
7W17
7U04
7U05
7U06
7F65
7F18
7F16
7R00
7R01
7M00
3104 313 6080.4
G_15990_064.eps
270406

## Layout SSB (Bottom Side Mapping)

| | |
|---|---|
| 1A51 | C7 |
| 1A52 | D7 |
| 1C51 | B7 |
| 1C52 | C7 |
| 1D11 | F8 |
| 1D12 | F9 |
| 1F03 | E2 |
| 1P02 | A1 |
| 1T08 | A8 |
| 1U01 | E1 |
| 1U04 | E2 |
| 1W07 | C9 |
| 1W08 | C8 |
| 1W20 | C9 |
| 1Z55 | A2 |
| 2A02 | D6 |
| 2A03 | C6 |
| 2A06 | D6 |
| 2A07 | D6 |
| 2A08 | D6 |
| 2A09 | D6 |
| 2A11 | D6 |
| 2A12 | D6 |
| 2A13 | D6 |
| 2A14 | D6 |
| 2A15 | D6 |
| 2A16 | D6 |
| 2A17 | D6 |
| 2A18 | D6 |
| 2A19 | D6 |
| 2A20 | D6 |
| 2A21 | D6 |
| 2A22 | D6 |
| 2A23 | D6 |
| 2A24 | D7 |
| 2A27 | D6 |
| 2A28 | D6 |
| 2A30 | D6 |
| 2A31 | D6 |
| 2A33 | D7 |
| 2A35 | D6 |
| 2A36 | D6 |
| 2A39 | D6 |
| 2A40 | D6 |
| 2A44 | D6 |
| 2A50 | C7 |
| 2A53 | D7 |
| 2A54 | D7 |
| 2A55 | D6 |
| 2A56 | D6 |
| 2A57 | D7 |
| 2A59 | D7 |
| 2A60 | D7 |
| 2A61 | D6 |
| 2A63 | D6 |
| 2A64 | D7 |
| 2A65 | D7 |
| 2A67 | D6 |
| 2A68 | D6 |
| 2A69 | D7 |
| 2A70 | C7 |
| 2A71 | C7 |
| 2A74 | D7 |
| 2A81 | B7 |
| 2A82 | B7 |
| 2A84 | B7 |
| 2A85 | B7 |
| 2A87 | B7 |
| 2A90 | D6 |
| 2A91 | B7 |
| 2A92 | B7 |
| 2A98 | B7 |
| 2B00 | A4 |
| 2B01 | A4 |
| 2B12 | A5 |
| 2B13 | A5 |
| 2B20 | A5 |
| 2B89 | A5 |
| 2BA0 | A5 |
| 2BA1 | A4 |
| 2BA2 | A5 |
| 2BA3 | A5 |
| 2C02 | C6 |
| 2C03 | C7 |
| 2C06 | C6 |
| 2C07 | C6 |
| 2C08 | C6 |
| 2C09 | C6 |
| 2C10 | C7 |
| 2C11 | C6 |
| 2C12 | C6 |
| 2C13 | C6 |
| 2C14 | C6 |
| 2C15 | C6 |
| 2C16 | C6 |
| 2C17 | C6 |
| 2C18 | C6 |
| 2C19 | C6 |
| 2C20 | C6 |
| 2C21 | C6 |
| 2C22 | C6 |
| 2C23 | C6 |
| 2C25 | B6 |
| 2C27 | C6 |
| 2C28 | C6 |
| 2C31 | C6 |
| 2C35 | C6 |
| 2C36 | C7 |
| 2C40 | C6 |
| 2C41 | C7 |
| 2C44 | C6 |
| 2C50 | C7 |
| 2C55 | C6 |
| 2C57 | C7 |
| 2C63 | C7 |
| 2C65 | C6 |
| 2C67 | C6 |
| 2C68 | C6 |
| 2C69 | C6 |
| 2C70 | B7 |
| 2C72 | C7 |
| 2C74 | C6 |
| 2C78 | C6 |
| 2C79 | C6 |
| 2C80 | C6 |
| 2C82 | B7 |
| 2C99 | C7 |
| 2D04 | F8 |
| 2D05 | F8 |
| 2D06 | F8 |
| 2D07 | F9 |
| 2D08 | E8 |
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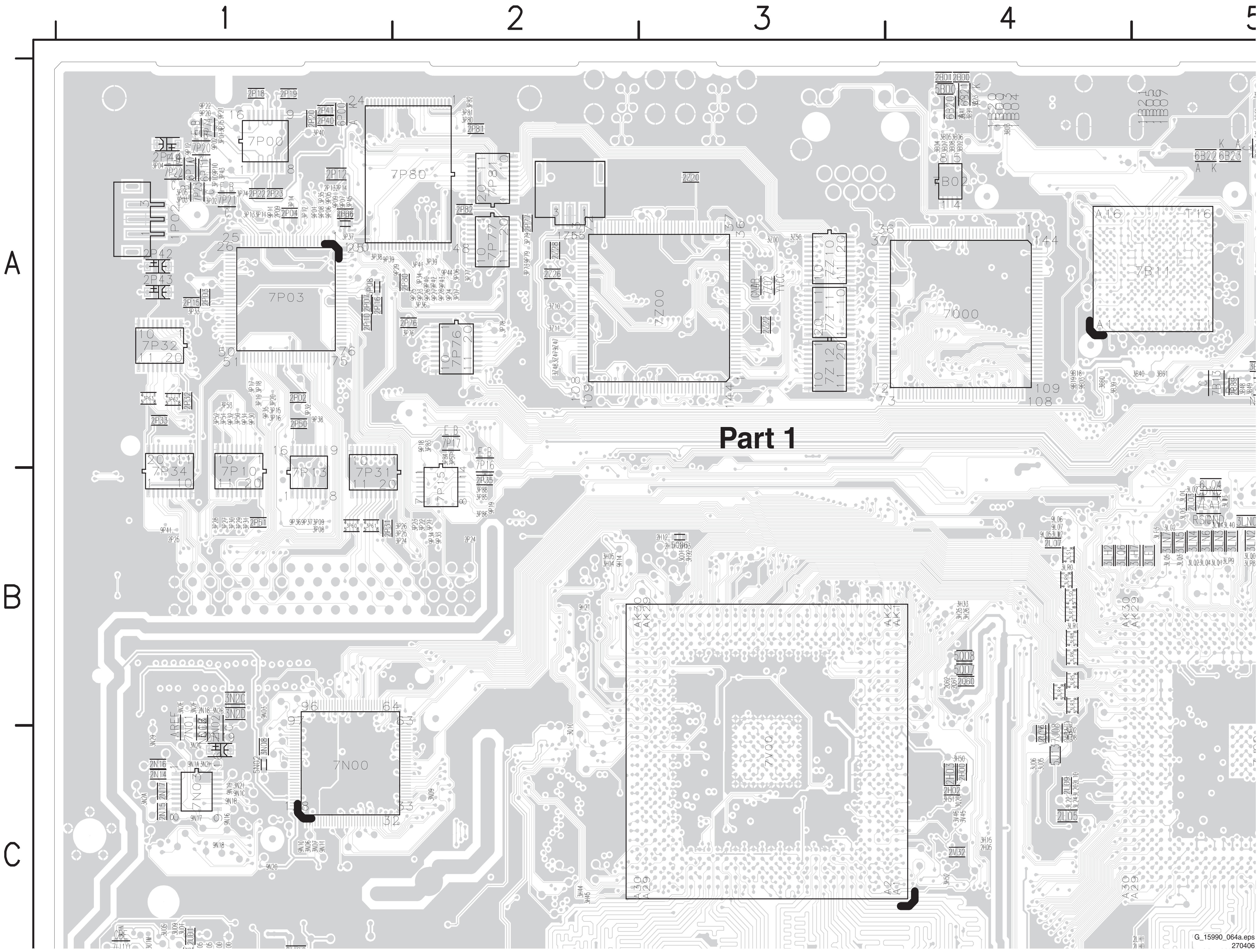
| 6U09 | F1 |
| 6U0A | D1 |
| 6U0B | E1 |
| 6U0C | E1 |
| 6U0D | D1 |
| 6U0E | E1 |
| 6U0F | D1 |
| 6U13 | E1 |
| 6U18 | D1 |
| 6U40 | E1 |
| 6U41 | E1 |
| 6U43 | E1 |
| 6U60 | D1 |
| 6U62 | D1 |
| 6W02 | C8 |
| 6W03 | C8 |
| 7A53 | D7 |
| 7A54 | D7 |
| 7A55 | D7 |
| 7B02 | A4 |
| 7B11 | A5 |
| 7B12 | A5 |
| 7B13 | A5 |
| 7B30 | A5 |
| 7B31 | A5 |
| 7C31 | C7 |
| 7C53 | C7 |
| 7C54 | C7 |
| 7C55 | C7 |
| 7D10 | E8 |
| 7D11 | F8 |
| 7D14 | F8 |
| 7D15 | E8 |
| 7D16 | E8 |
| 7D17 | E8 |
| 7D18 | E9 |
| 7D19 | F8 |
| 7D20 | F8 |
| 7D21 | E8 |
| 7D22 | E8 |
| 7D23 | E8 |
| 7D25 | F8 |
| 7D26 | F8 |
| 7D30 | F9 |
| 7D31 | F8 |
| 7D40 | D8 |
| 7D44 | E8 |
| 7D45 | E9 |
| 7D46 | E9 |
| 7D47 | E9 |
| 7D48 | E9 |
| 7D49 | E8 |
| 7D50 | E8 |
| 7D51 | E8 |
| 7D52 | E8 |
| 7D53 | E8 |
| 7D60 | E9 |
| 7D62 | E8 |
| 7F03 | E3 |
| 7F05 | F6 |
| 7F06 | E6 |
| 7F07 | F5 |
| 7F16 | E5 |
| 7F18 | E4 |
| 7F20 | F2 |
| 7F22 | E3 |
| 7F30 | F3 |
| 7F65 | E3 |
| 7I03 | A7 |
| 7I04 | A7 |
| 7I21 | B7 |
| 7I50 | A7 |
| 7I60 | A6 |
| 7I61 | A6 |
| 7I62 | A7 |
| 7I80 | A6 |
| 7I81 | A6 |
| 7I82 | A7 |
| 7I83 | A7 |
| 7I84 | A7 |
| 7J00 | C4 |
| 7J08 | C4 |
| 7J11 | D6 |
| 7J13 | D5 |
| 7LA1 | B5 |
| 7LA2 | B5 |
| 7LB0 | D5 |
| 7LB1 | D4 |
| 7LB2 | D5 |
| 7LB3 | D4 |
| 7LB4 | D4 |
| 7LB5 | D4 |
| 7LB6 | D4 |
| 7LB7 | D4 |
| 7M00 | F4 |
| 7M41 | B8 |
| 7M82 | A5 |
| 7M83 | A5 |
| 7M88 | A5 |
| 7M8B | A5 |
| 7N00 | B1 |
| 7N01 | C1 |
| 7N02 | C1 |
| 7N03 | C1 |
| 7O00 | A4 |
| 7P00 | A1 |
| 7P03 | A1 |
| 7P10 | B1 |
| 7P13 | A1 |
| 7P15 | B2 |
| 7P16 | A2 |
| 7P17 | A2 |
| 7P20 | A1 |
| 7P21 | A1 |
| 7P22 | A1 |
| 7P23 | A1 |
| 7P31 | B1 |
| 7P32 | A1 |
| 7P34 | A1 |
| 7P74 | A1 |
| 7P76 | A2 |
| 7P77 | A2 |
| 7P80 | A2 |
| 7P81 | A2 |
| 7R00 | E7 |
| 7R01 | F7 |
| 7T01 | A8 |
| 7T02 | A8 |
| 7T10 | A8 |
| 7T11 | A8 |
| 7T13 | A8 |
| 7T14 | A7 |
| 7T17 | A8 |
| 7T18 | A8 |
| 7T19 | A8 |
| 7U04 | D1 |
| 7U05 | E1 |
| 7U06 | E1 |
| 7U08 | E1 |
| 7U09 | E1 |
| 7U10 | C1 |
| 7U14 | D1 |
| 7U15 | D1 |
| 7U19 | E1 |
| 7U20 | E1 |
| 7U21 | E1 |
| 7U23 | E1 |
| 7U30 | E1 |
| 7U31 | E1 |
| 7U40 | E1 |
| 7U41 | E1 |
| 7U44 | E1 |
| 7U45 | F1 |
| 7U60 | D1 |
| 7U64 | D1 |
| 7U66 | D2 |
| 7U67 | D1 |
| 7U69 | D1 |
| 7V00 | C2 |
| 7W10 | C8 |
| 7W11 | C8 |
| 7W12 | C8 |
| 7W13 | C8 |
| 7W14 | C8 |
| 7W17 | C8 |
| 7W18 | D8 |
| 7W19 | C8 |
| 7Z00 | A2 |
| 7Z02 | A3 |
| 7Z10 | A3 |
| 7Z11 | A3 |
| 7Z12 | A3 |
| 9A21 | B7 |
| 9A22 | B7 |
| 9A23 | B7 |
| 9A51 | C7 |
| 9A52 | C7 |
| 9A53 | C7 |
| 9A54 | C7 |
| 9A56 | C7 |
| 9A57 | D7 |
| 9A58 | D7 |
| 9B03 | A4 |
| 9B18 | A4 |
| 9B19 | A4 |
| 9C07 | D7 |
| 9C51 | B7 |
| 9C52 | C7 |
| 9C53 | B7 |
| 9C54 | B7 |
| 9C56 | C7 |
| 9C57 | C7 |
| 9C58 | C7 |
| 9D10 | E8 |
| 9F11 | F2 |
| 9F2I | F6 |
| 9H14 | B2 |
| 9H21 | B2 |
| 9H35 | D3 |
| 9H36 | D3 |
| 9I01 | A7 |
| 9I31 | A7 |
| 9I32 | A6 |
| 9I33 | A6 |
| 9I51 | A6 |
| 9I52 | A6 |
| 9I53 | A6 |
| 9J20 | D6 |
| 9J21 | D5 |
| 9K01 | C6 |
| 9L05 | B4 |
| 9L06 | B4 |
| 9L07 | B4 |
| 9L08 | C4 |
| 9LA5 | B5 |
| 9LC8 | D4 |
| 9M00 | F2 |
| 9M01 | F4 |
| 9M06 | D8 |
| 9M07 | D8 |
| 9M08 | D8 |
| 9M09 | D8 |
| 9M0A | D8 |
| 9M0B | D8 |
| 9M0L | F2 |
| 9M45 | B8 |
| 9M46 | B8 |
| 9M47 | B8 |
| 9M48 | B8 |
| 9M4L | B9 |
| 9M4M | B9 |
| 9M4N | B9 |
| 9M4P | B9 |
| 9M4Q | B9 |
| 9M4R | B9 |
| 9M4S | B9 |
| 9M4T | B9 |
| 9M4U | B9 |
| 9M4V | B8 |
| 9M4W | B8 |
| 9M4Y | B9 |
| 9M4Z | B9 |
| 9M50 | B9 |
| 9M53 | B9 |
| 9M54 | B8 |
| 9M55 | B8 |
| 9M56 | B8 |
| 9M58 | B8 |
| 9M59 | B8 |
| 9M5A | B8 |
| 9M5B | B8 |
| 9M5C | B8 |
| 9M5D | B8 |
| 9M5E | B8 |
| 9M5F | B8 |
| 9M5G | B9 |
| 9M81 | A5 |
| 9M82 | A7 |
| 9M83 | A7 |
| 9M84 | A7 |
| 9M85 | A7 |
| 9M86 | A7 |
| 9M87 | A7 |
| 9M89 | B8 |
| 9N03 | B1 |
| 9N10 | C1 |
| 9N11 | C1 |
| 9N16 | C1 |
| 9N17 | C1 |
| 9N18 | C1 |
| 9N19 | C1 |
| 9N1A | C1 |
| 9N1B | C1 |
| 9N1C | C1 |
| 9N20 | C1 |
| 9P01 | A1 |
| 9P02 | A1 |
| 9P05 | A1 |
| 9P06 | A1 |
| 9P07 | A1 |
| 9P08 | A1 |
| 9P09 | A1 |
| 9P10 | A1 |
| 9P11 | A1 |
| 9P12 | A1 |
| 9P18 | A2 |
| 9P19 | B2 |
| 9P20 | A1 |
| 9P21 | A1 |
| 9P22 | A1 |
| 9P23 | A2 |
| 9P24 | A2 |
| 9P25 | A2 |
| 9P26 | A2 |
| 9P27 | A2 |
| 9P28 | A2 |
| 9P29 | A2 |
| 9P30 | A1 |
| 9P31 | A1 |
| 9P32 | A1 |
| 9P33 | B2 |
| 9P34 | B2 |
| 9P35 | A1 |
| 9P36 | B1 |
| 9P37 | B1 |
| 9P38 | A1 |
| 9P39 | A1 |
| 9P40 | A2 |
| 9P41 | B1 |
| 9P42 | A2 |
| 9P43 | A2 |
| 9P44 | A2 |
| 9P79 | A2 |
| 9T01 | A8 |
| 9T05 | A8 |
| 9T06 | A8 |
| 9T07 | A8 |
| 9T08 | A8 |
| 9T09 | B8 |
| 9T12 | A8 |
| 9T19 | A8 |
| 9T20 | A8 |
| 9T21 | A8 |
| 9T23 | A8 |
| 9T24 | A8 |
| 9T25 | B8 |
| 9T35 | A8 |
| 9T36 | A8 |
| 9T37 | A8 |
| 9T38 | A8 |
| 9T39 | A8 |
| 9T40 | A8 |
| 9T41 | A8 |
| 9T44 | A8 |
| 9T53 | A8 |
| 9T73 | A9 |
| 9T74 | A9 |
| 9U01 | D1 |
| 9U02 | E1 |
| 9U03 | E1 |
| 9U06 | D2 |
| 9U60 | D1 |
| 9W01 | C8 |
| 9W02 | C8 |
| 9W03 | C8 |
| 9W04 | C8 |
| 9W05 | C8 |
| 9W07 | C8 |
| 9W08 | C8 |
| 9W12 | C8 |
| 9W14 | C8 |
| 9W15 | C9 |
| 9W16 | C8 |
| 9W17 | C9 |
| 9W18 | C8 |
| 9W19 | C8 |
| 9W23 | C8 |
| 9W24 | C8 |
| 9W25 | C9 |
| 9W35 | C8 |
| 9W36 | C8 |
| 9W37 | C8 |
| 9W38 | C8 |
| 9W39 | C8 |
| 9W40 | C8 |
| 9W41 | C8 |
| 9W42 | D8 |
| 9W64 | C8 |
| 9W65 | C8 |
| 9W71 | C8 |
| 9W72 | C9 |
| 9Y01 | B7 |
| 9Y05 | C6 |
| 9Z47 | A2 |

G_15990_064m.eps
090506

## *Personal Notes:*

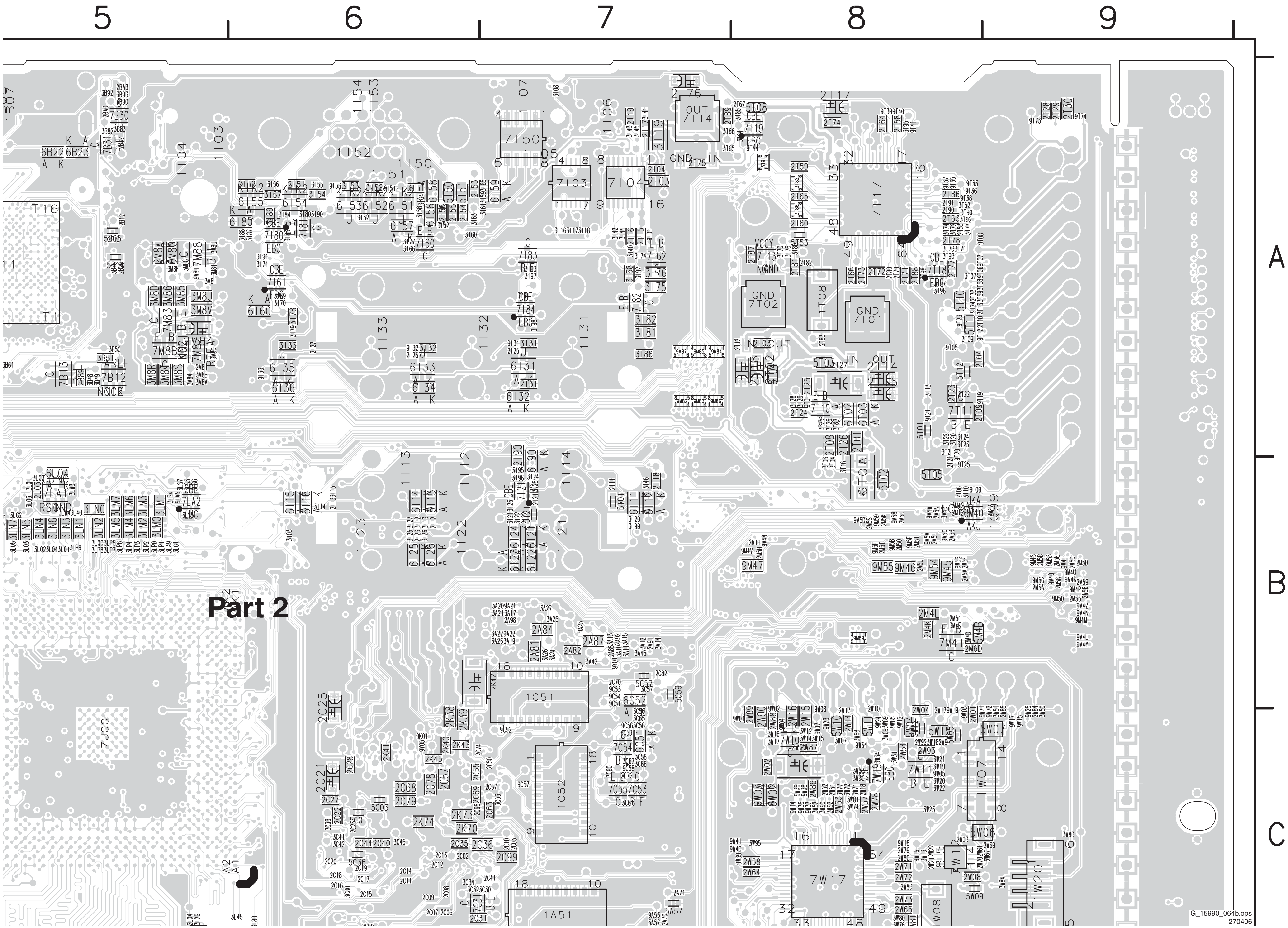
E_06532_012.eps
131004

## Layout SSB (Bottom Side Part 1)

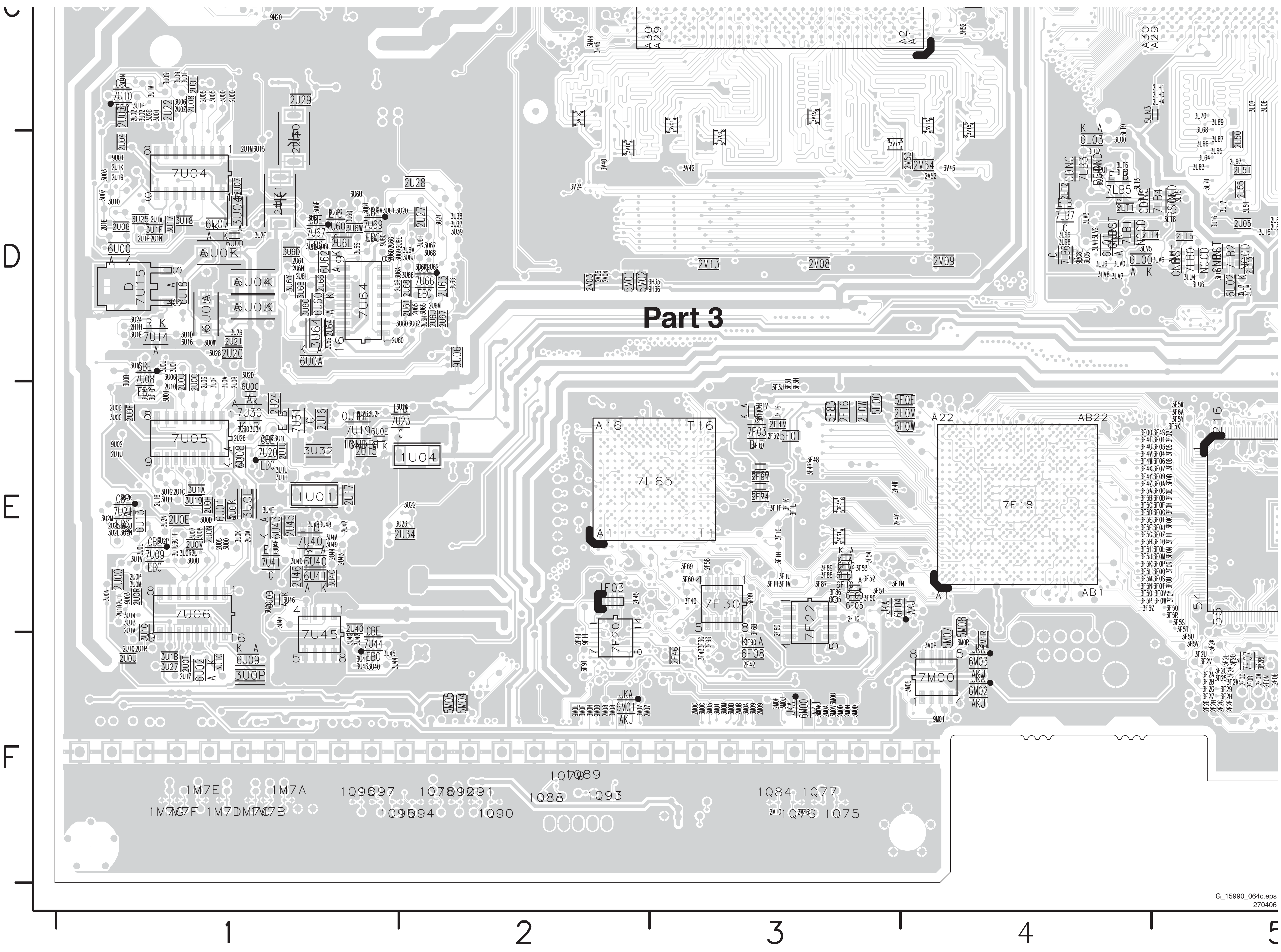

1
2
3
4
A
B
C
Part 1
7P00
7P80
7P03
7P32
7P34
7P10
7P13
7P31
7P15
7P76
7Z00
7000
7B11
7V00
7N00
1P02

G_15990_064a.eps
270406

## Layout SSB (Bottom Side Part 2)

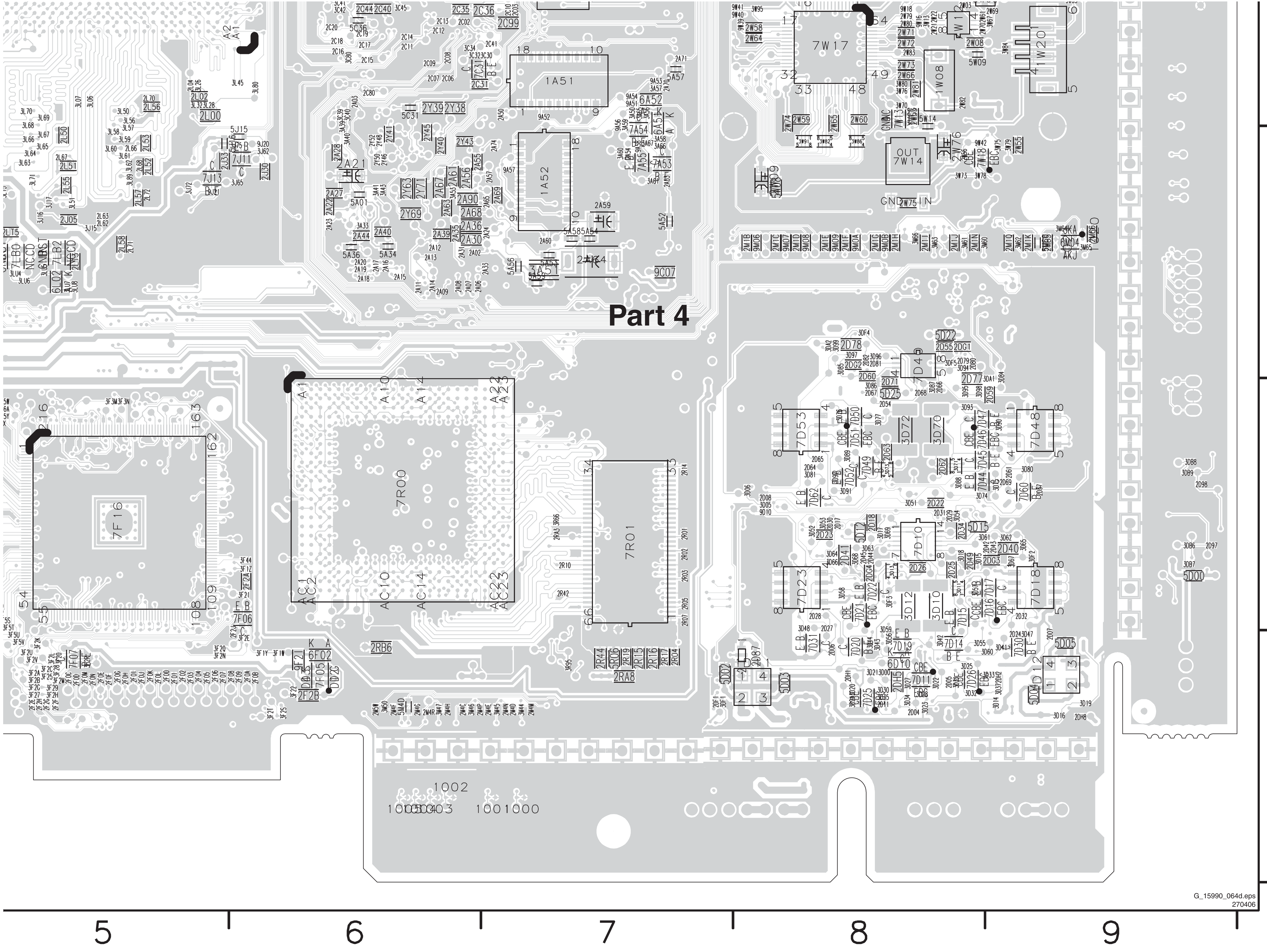

5
6
7
8
9
A
B
C
Part 2
G_15990_064b.eps
270406

## Layout SSB (Bottom Side Part 3)


Part 3
C
D
E
F
1
2
3
4
5
7U04
7U05
7U06
7U45
7U64
7U15
7F65
7F18
7F30
7F22
7F20
7M00
1U04
1U01
3U32
2U28
2U29
2V13
2V08
2V09
2V54
A16
T16
A1
T1
A22
AB22
AB1
A30
A29
1M7E
1M7A
1Q88
1Q93
1Q84
1Q77
1Q75
1Q90

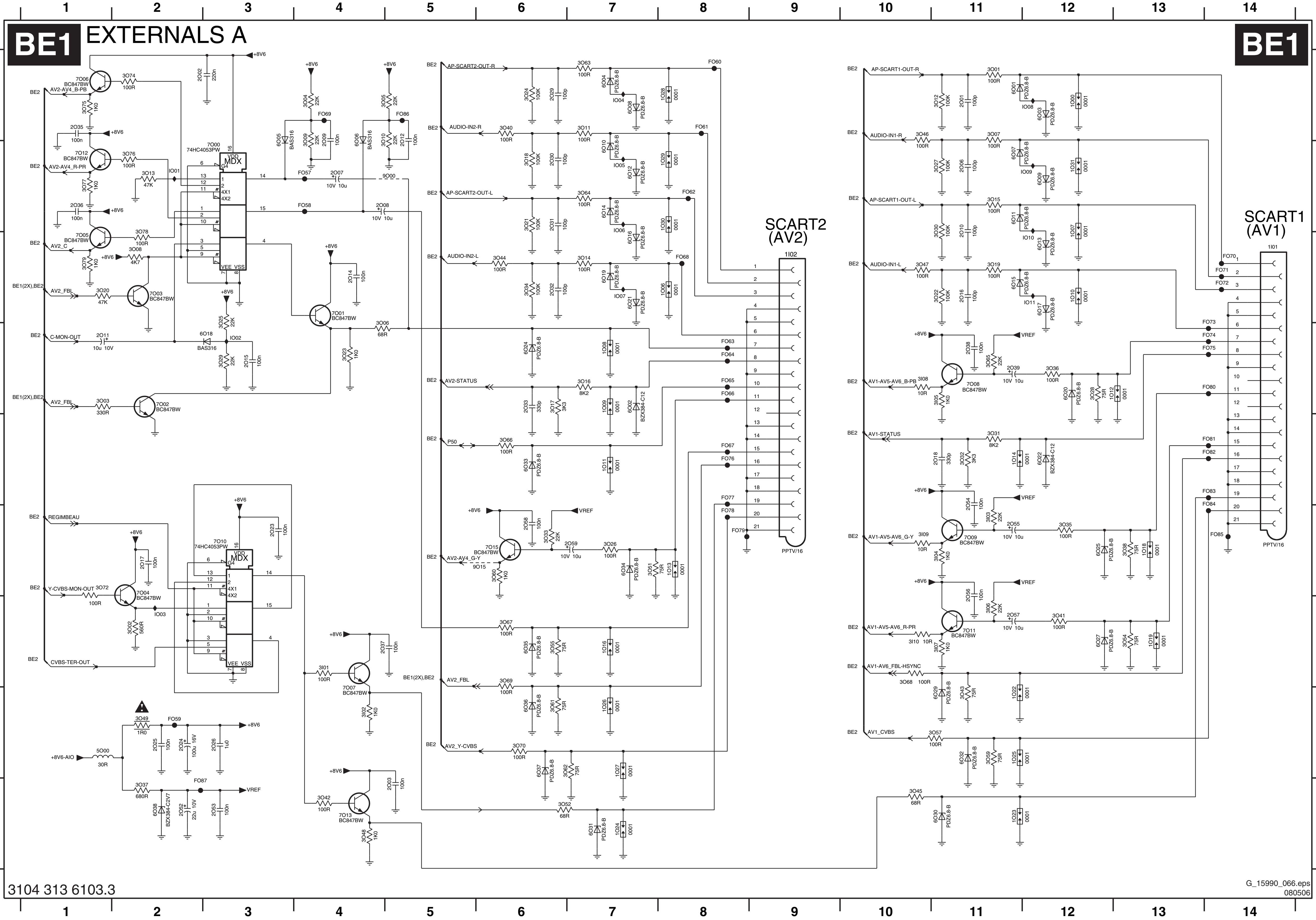
G_15990_064c.eps
270406

## Layout SSB (Bottom Side Part 4)


Part 4
7W17
1W20
1W08
7W14
1A51
1A52
6A52
7A54
7A53
7A55
9C07
7F16
7R00
7R01
7D53
7D48
7D23
7D18
7D10
7D70
7D72
7D41
5D00
5D05
5D22
2RB6
2RA8
6F02
7F05
7F06
7F07
1002
1001000
C
D
E
F
5
6
7
8
9

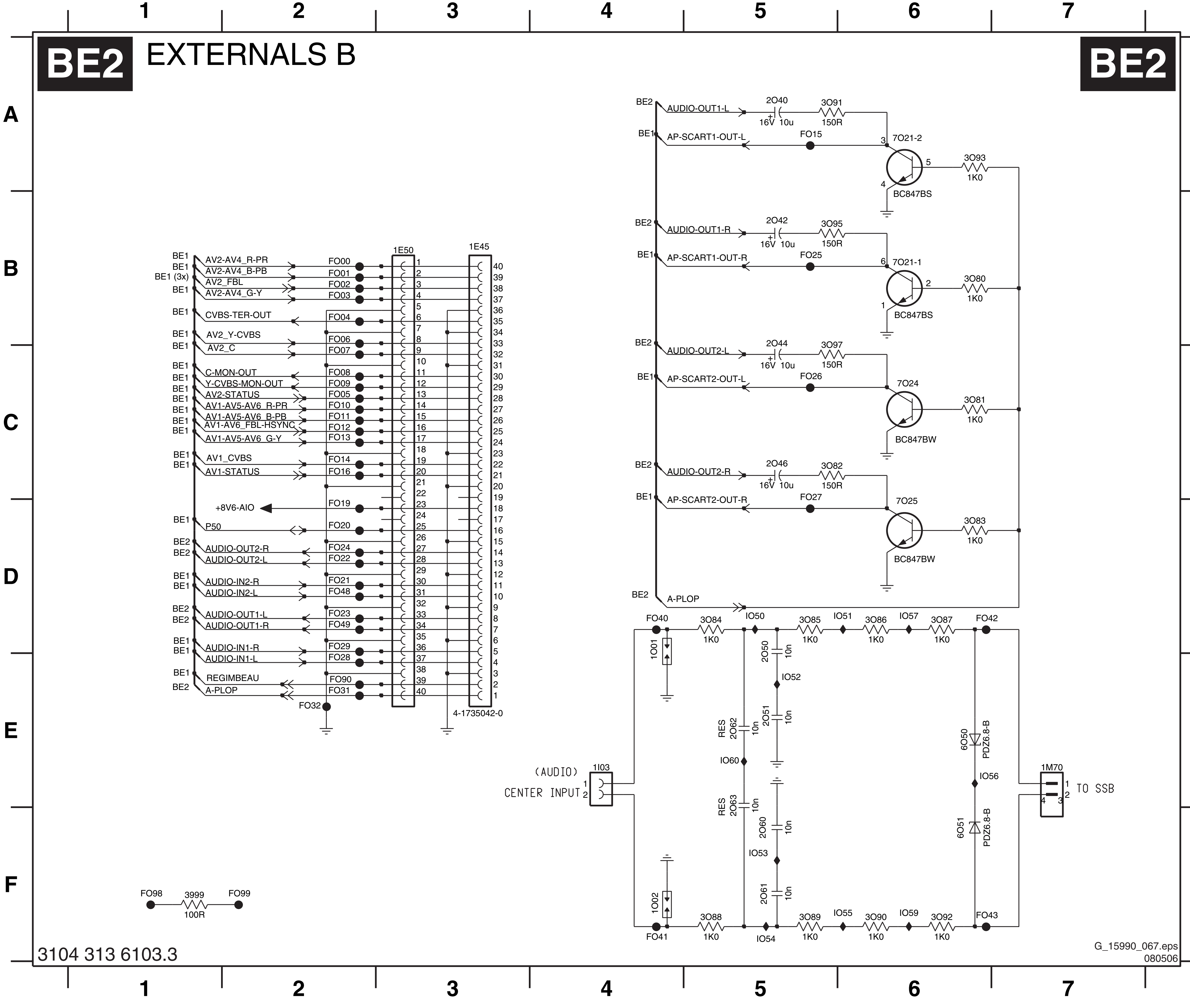
G_15990_064d.eps
270406

## External I/O Panel: Externals A


BE1
EXTERNALS A
BE1
SCART2
(AV2)
1I02
PPTV/16
SCART1
(AV1)
1I01
PPTV/16
AV2-AV4_B-PB
AV2-AV4_R-PR
AV2_C
AV2_FBL
C-MON-OUT
REGIMBEAU
Y-CVBS-MON-OUT
CVBS-TER-OUT
AP-SCART2-OUT-R
AUDIO-IN2-R
AP-SCART2-OUT-L
AUDIO-IN2-L
AV2-STATUS
P50
AV2-AV4_G-Y
AV2_FBL
AV2_Y-CVBS
AP-SCART1-OUT-R
AUDIO-IN1-R
AP-SCART1-OUT-L
AUDIO-IN1-L
AV1-AV5-AV6_B-PB
AV1-STATUS
AV1-AV5-AV6_G-Y
AV1-AV5-AV6_R-PR
AV1-AV6_FBL-HSYNC
AV1_CVBS
BE2
BE1(2X),BE2
+8V6
+8V6-AIO
VREF
7O00
74HC4053PW
7O10
74HC4053PW
MDX
VDD
VEE
VSS
7O06 BC847BW
7O12 BC847BW
7O05 BC847BW
7O03 BC847BW
7O02 BC847BW
7O01 BC847BW
7O04 BC847BW
7O07 BC847BW
7O13 BC847BW
7O15 BC847BW
7O08 BC847BW
7O09 BC847BW
7O11 BC847BW
5O00
30R
3O49
1R0
PDZ6.8-B
BZX384-C12
BZX384-C2V7
BAS316
3104 313 6103.3
G_15990_066.eps
080506
1
2
3
4
5
6
7
8
9
10
11
12
13
14
A
B
C
D
E
F
G
H
I

| | |
|---|---|
| 1I01 | C14 |
| 1I02 | C9 |
| 1O00 | A12 |
| 1O06 | C8 |
| 1O07 | B12 |
| 1O08 | D7 |
| 1O09 | D7 |
| 1O10 | C12 |
| 1O11 | E7 |
| 1O12 | D13 |
| 1O13 | F8 |
| 1O14 | E11 |
| 1O16 | G7 |
| 1O18 | F13 |
| 1O19 | G13 |
| 1O22 | H11 |
| 1O23 | I11 |
| 1O24 | I7 |
| 1O25 | H11 |
| 1O26 | H7 |
| 1O27 | H7 |
| 1O28 | A8 |
| 1O29 | B8 |
| 1O30 | B8 |
| 1O31 | B12 |
| 2O01 | A11 |
| 2O02 | A3 |
| 2O03 | I5 |
| 2O06 | B11 |
| 2O07 | B4 |
| 2O08 | B4 |
| 2O09 | A4 |
| 2O10 | B11 |
| 2O11 | D1 |
| 2O12 | A5 |
| 2O14 | C4 |
| 2O15 | D3 |
| 2O16 | C11 |
| 2O17 | F2 |
| 2O18 | E11 |
| 2O23 | F3 |
| 2O24 | H2 |
| 2O25 | H2 |
| 2O26 | H3 |
| 2O29 | A6 |
| 2O30 | B6 |
| 2O31 | B6 |
| 2O32 | C6 |
| 2O33 | D6 |
| 2O35 | A1 |
| 2O36 | B1 |
| 2O37 | G4 |
| 2O38 | D11 |
| 2O39 | D11 |
| 2O52 | I2 |
| 2O53 | I3 |
| 2O54 | E11 |
| 2O55 | F11 |
| 2O56 | F11 |
| 2O57 | G11 |
| 2O58 | F6 |
| 2O59 | F7 |
| 3I01 | G4 |
| 3I02 | H4 |
| 3I03 | F11 |
| 3I04 | F11 |
| 3I05 | D11 |
| 3I06 | G11 |
| 3I07 | G11 |
| 3I08 | D10 |
| 3I09 | F10 |
| 3I10 | G10 |
| 3O01 | A11 |
| 3O02 | G2 |
| 3O03 | D1 |
| 3O04 | A4 |
| 3O05 | A5 |
| 3O06 | D4 |
| 3O07 | A11 |
| 3O08 | C2 |
| 3O09 | A4 |
| 3O10 | A5 |
| 3O11 | A7 |
| 3O12 | A11 |
| 3O13 | B2 |
| 3O14 | C7 |
| 3O15 | B11 |
| 3O16 | D7 |
| 3O17 | D6 |
| 3O18 | B6 |
| 3O19 | C11 |
| 3O20 | C1 |
| 3O21 | B6 |
| 3O22 | C11 |
| 3O23 | D4 |
| 3O24 | A6 |
| 3O25 | C3 |
| 3O26 | F7 |
| 3O27 | B11 |
| 3O28 | D12 |
| 3O29 | D3 |
| 3O30 | B11 |
| 3O31 | E11 |
| 3O32 | E11 |
| 3O33 | F6 |
| 3O34 | C6 |
| 3O35 | F12 |
| 3O36 | D12 |
| 3O37 | I2 |
| 3O38 | F13 |
| 3O40 | A6 |
| 3O41 | G12 |
| 3O42 | I4 |
| 3O43 | H11 |
| 3O44 | C6 |
| 3O45 | I10 |
| 3O46 | A10 |
| 3O47 | C10 |
| 3O48 | I4 |
| 3O49 | H2 |
| 3O51 | F7 |
| 3O52 | I6 |
| 3O54 | G13 |
| 3O55 | G6 |
| 3O57 | H11 |
| 3O59 | H11 |
| 3O60 | F6 |
| 3O61 | H6 |
| 3O62 | H7 |
| 3O63 | A7 |
| 3O64 | B7 |
| 3O65 | D11 |
| 3O66 | E6 |
| 3O67 | G6 |
| 3O68 | G10 |
| 3O69 | G6 |
| 3O70 | H6 |
| 3O72 | G1 |
| 3O74 | A2 |
| 3O75 | A1 |
| 3O76 | B2 |
| 3O77 | B1 |
| 3O78 | C2 |
| 3O79 | C1 |
| 5O00 | H1 |
| 6O01 | A11 |
| 6O02 | D7 |
| 6O03 | A12 |
| 6O04 | A7 |
| 6O05 | A3 |
| 6O06 | A4 |
| 6O07 | B11 |
| 6O08 | A7 |
| 6O09 | B12 |
| 6O10 | B7 |
| 6O11 | B11 |
| 6O12 | B7 |
| 6O13 | C12 |
| 6O14 | B7 |
| 6O15 | C11 |
| 6O16 | C7 |
| 6O17 | C12 |
| 6O18 | D3 |
| 6O19 | C7 |
| 6O20 | D12 |
| 6O21 | C7 |
| 6O22 | E12 |
| 6O24 | D6 |
| 6O25 | F12 |
| 6O27 | G12 |
| 6O29 | H11 |
| 6O30 | I11 |
| 6O31 | I7 |
| 6O32 | H11 |
| 6O33 | E6 |
| 6O34 | F7 |
| 6O35 | G6 |
| 6O36 | H6 |
| 6O37 | H6 |
| 6O38 | I2 |
| 7O00 | B3 |
| 7O01 | C4 |
| 7O02 | D2 |
| 7O03 | C2 |
| 7O04 | F2 |
| 7O05 | C1 |
| 7O06 | A1 |
| 7O07 | H4 |
| 7O08 | D11 |
| 7O09 | F11 |
| 7O10 | F3 |
| 7O11 | G11 |
| 7O12 | B1 |
| 7O13 | I4 |
| 7O15 | F6 |
| 9O00 | B5 |
| 9O15 | F6 |
| FO57 | B4 |
| FO58 | B4 |
| FO59 | H2 |
| FO60 | A8 |
| FO61 | A8 |
| FO62 | B8 |
| FO63 | D8 |
| FO64 | D8 |
| FO65 | D8 |
| FO66 | D8 |
| FO67 | E8 |
| FO68 | C8 |
| FO69 | A4 |
| FO70 | C14 |
| FO71 | C14 |
| FO72 | C14 |
| FO73 | D14 |
| FO74 | D14 |
| FO75 | D14 |
| FO76 | E8 |
| FO77 | E8 |
| FO78 | F8 |
| FO79 | F8 |
| FO80 | D14 |
| FO81 | E14 |
| FO82 | E14 |
| FO83 | E14 |
| FO84 | F14 |
| FO85 | F14 |
| FO86 | A5 |
| FO87 | I2 |
| IO01 | B2 |
| IO02 | D3 |
| IO03 | G2 |
| IO04 | A7 |
| IO05 | B7 |
| IO06 | B7 |
| IO07 | C7 |
| IO08 | A12 |
| IO09 | B12 |
| IO10 | C12 |
| IO11 | C12 |

## External I/O Panel: Externals B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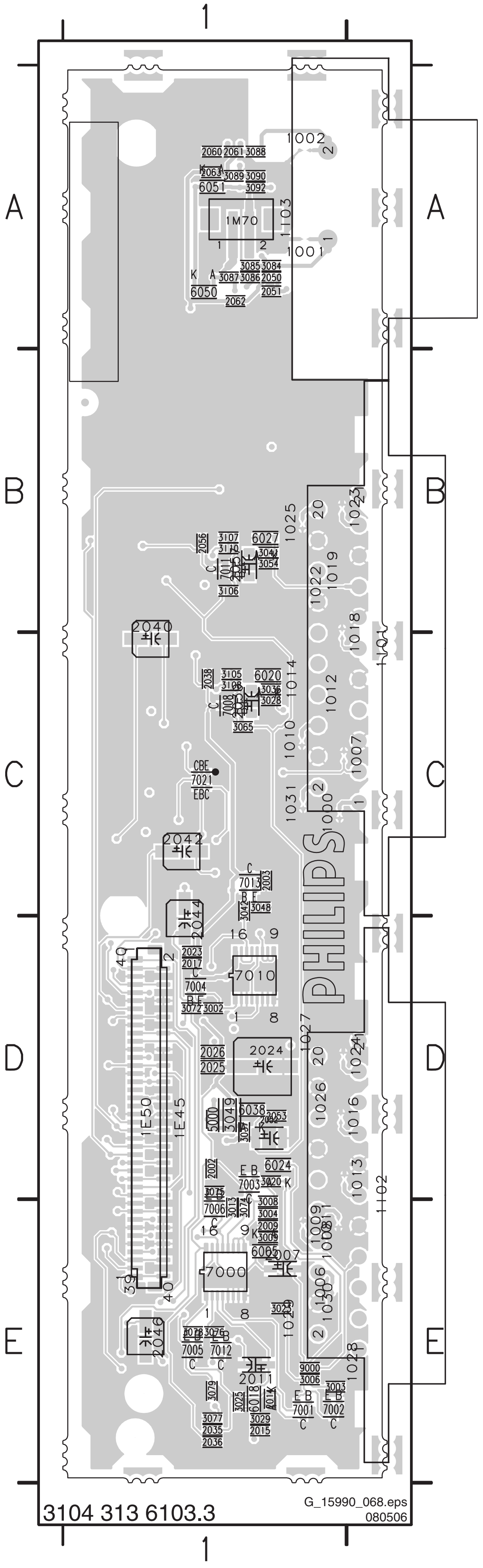
BE2
1E50
1E45
AV2-AV4_R-PR
AV2-AV4_B-PB
AV2_FBL
AV2-AV4_G-Y
CVBS-TER-OUT
AV2_Y-CVBS
AV2_C
C-MON-OUT
Y-CVBS-MON-OUT
AV2-STATUS
AV1-AV5-AV6_R-PR
AV1-AV5-AV6_B-PB
AV1-AV6_FBL-HSYNC
AV1-AV5-AV6_G-Y
AV1_CVBS
AV1-STATUS
+8V6-AIO
P50
AUDIO-OUT2-R
AUDIO-OUT2-L
AUDIO-IN2-R
AUDIO-IN2-L
AUDIO-OUT1-L
AUDIO-OUT1-R
AUDIO-IN1-R
AUDIO-IN1-L
REGIMBEAU
A-PLOP
FO32
4-1735042-0
AP-SCART1-OUT-L
AP-SCART1-OUT-R
AP-SCART2-OUT-L
AP-SCART2-OUT-R
2O40 16V 10u
2O42 16V 10u
2O44 16V 10u
2O46 16V 10u
3O91 150R
3O95 150R
3O97 150R
3O82 150R
7O21-2 BC847BS
7O21-1 BC847BS
7O24 BC847BW
7O25 BC847BW
3O93 1K0
3O80 1K0
3O81 1K0
3O83 1K0
FO40
3O84 1K0
IO50
3O85 1K0
IO51
3O86 1K0
IO57
3O87 1K0
FO42
1O01
2O50 10n
IO52
2O51 10n
RES 2O62 10n
IO60
RES 2O63 10n
2O60 10n
IO53
2O61 10n
1O02
FO41
3O88 1K0
IO54
3O89 1K0
IO55
3O90 1K0
IO59
3O92 1K0
FO43
6O50 PDZ6.8-B
IO56
6O51 PDZ6.8-B
(AUDIO) CENTER INPUT
1I03
1M70
TO SSB
FO98
3999 100R
FO99
3104 313 6103.3
G_15990_067.eps
080506

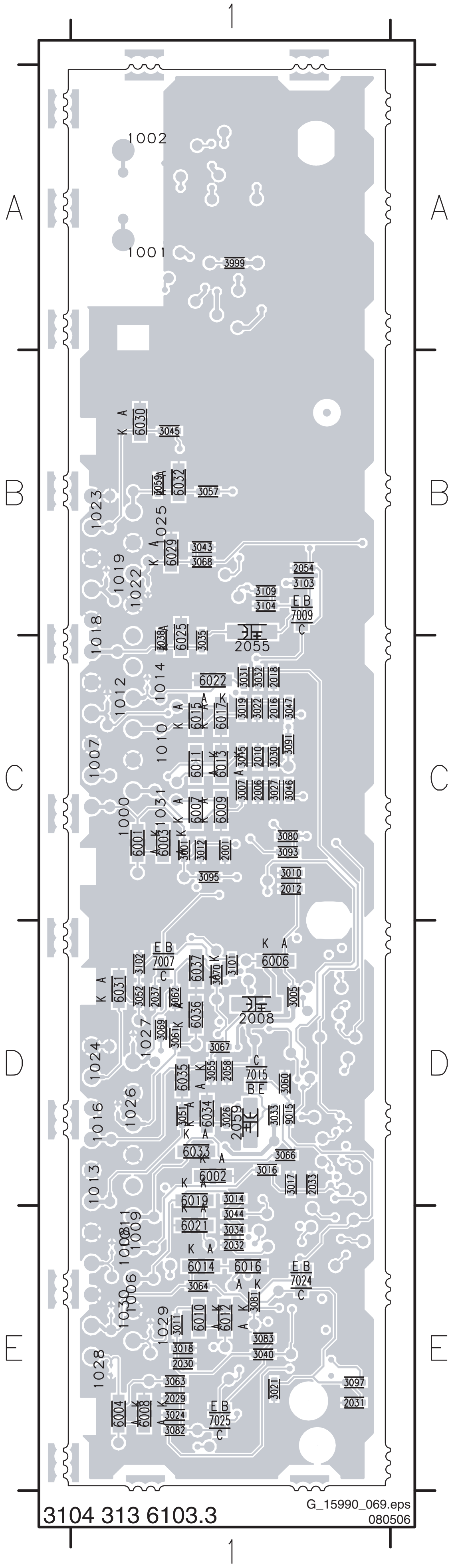
| | |
|---|---|
| 1E45 | B3 |
| 1E50 | B3 |
| 1I03 | E4 |
| 1M70 | E7 |
| 1O01 | D4 |
| 1O02 | F4 |
| 2O40 | A5 |
| 2O42 | B5 |
| 2O44 | B5 |
| 2O46 | C5 |
| 2O50 | D5 |
| 2O51 | E5 |
| 2O60 | F5 |
| 2O61 | F5 |
| 2O62 | E5 |
| 2O63 | E5 |
| 3999 | F1 |
| 3O80 | B6 |
| 3O81 | C6 |
| 3O82 | C5 |
| 3O83 | D6 |
| 3O84 | D5 |
| 3O85 | D6 |
| 3O86 | D6 |
| 3O87 | D7 |
| 3O88 | F5 |
| 3O89 | F6 |
| 3O90 | F6 |
| 3O91 | A5 |
| 3O92 | F7 |
| 3O93 | A6 |
| 3O95 | B5 |
| 3O97 | C5 |
| 6O50 | E7 |
| 6O51 | F7 |
| 7O21-1 | B6 |
| 7O21-2 | A6 |
| 7O24 | C6 |
| 7O25 | D6 |
| FO00 | B2 |
| FO01 | B2 |
| FO02 | B2 |
| FO03 | B2 |
| FO04 | B2 |
| FO05 | C2 |
| FO06 | B2 |
| FO07 | C2 |
| FO08 | C2 |
| FO09 | C2 |
| FO10 | C2 |
| FO11 | C2 |
| FO12 | C2 |
| FO13 | C2 |
| FO14 | C2 |
| FO15 | A5 |
| FO16 | C2 |
| FO19 | D2 |
| FO20 | D2 |
| FO21 | D2 |
| FO22 | D2 |
| FO23 | D2 |
| FO24 | D2 |
| FO25 | B5 |
| FO26 | C5 |
| FO27 | D5 |
| FO28 | E2 |
| FO29 | D2 |
| FO31 | E2 |
| FO32 | E2 |
| FO40 | D4 |
| FO41 | F4 |
| FO42 | D7 |
| FO43 | F7 |
| FO48 | D2 |
| FO49 | D2 |
| FO90 | E2 |
| FO98 | F1 |
| FO99 | F2 |
| IO50 | D5 |
| IO51 | D6 |
| IO52 | E5 |
| IO53 | F5 |
| IO54 | F5 |
| IO55 | F6 |
| IO56 | E7 |
| IO57 | D6 |
| IO59 | F6 |
| IO60 | E5 |

## Layout External I/O Panel (Top Side)



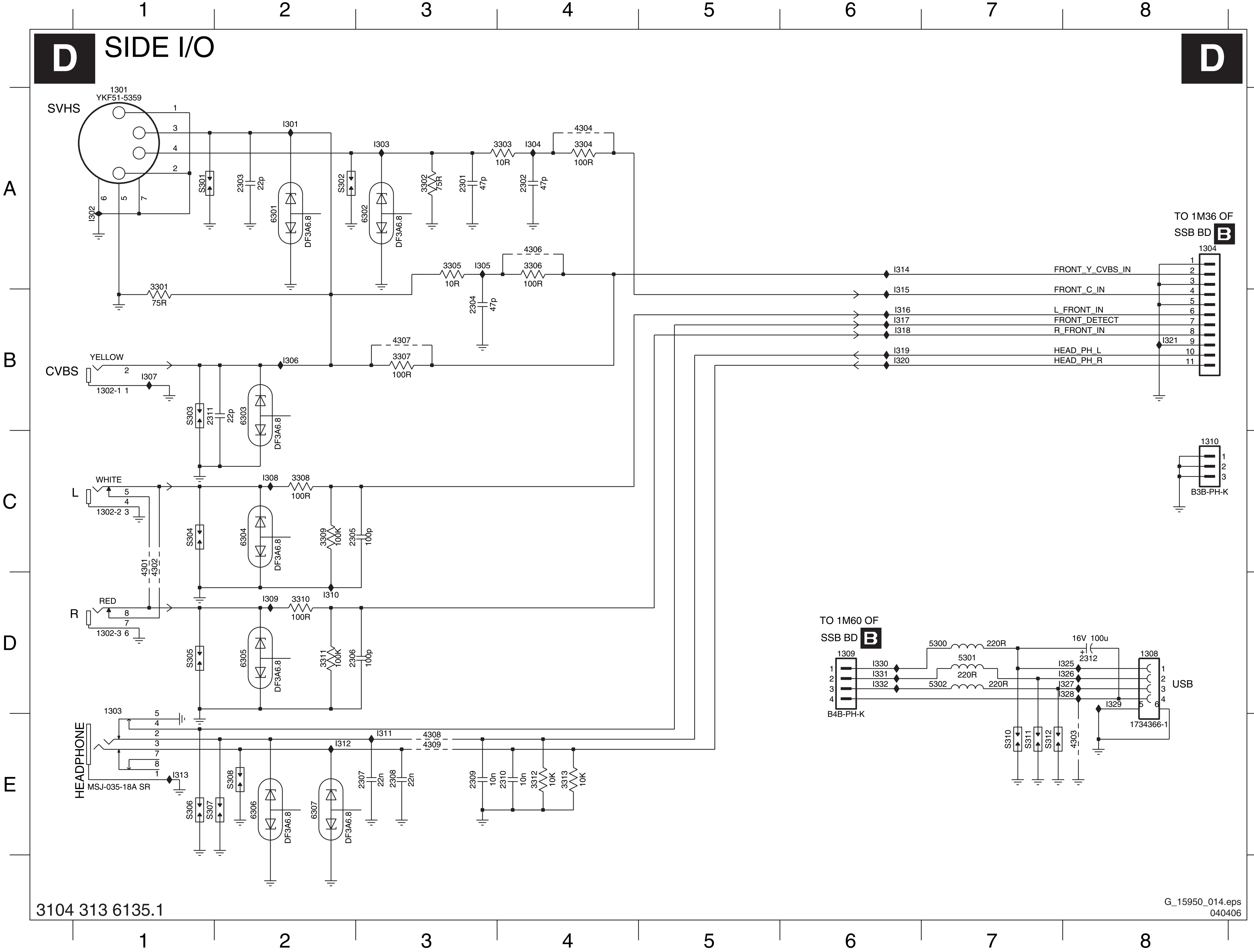
| | |
|---|---|
| 1E45 | D1 |
| 1E50 | D1 |
| 1I01 | C1 |
| 1I02 | E1 |
| 1I03 | A1 |
| 1M70 | A1 |
| 2O02 | D1 |
| 2O03 | C1 |
| 2O07 | E1 |
| 2O09 | E1 |
| 2O11 | E1 |
| 2O14 | E1 |
| 2O15 | E1 |
| 2O17 | D1 |
| 2O23 | D1 |
| 2O24 | D1 |
| 2O25 | D1 |
| 2O26 | D1 |
| 2O35 | E1 |
| 2O36 | E1 |
| 2O38 | C1 |
| 2O39 | C1 |
| 2O40 | C1 |
| 2O42 | C1 |
| 2O44 | D1 |
| 2O46 | E1 |
| 2O50 | A1 |
| 2O51 | A1 |
| 2O52 | D1 |
| 2O53 | D1 |
| 2O56 | B1 |
| 2O57 | B1 |
| 2O60 | A1 |
| 2O61 | A1 |
| 2O62 | A1 |
| 2O63 | A1 |
| 3I05 | C1 |
| 3I06 | B1 |
| 3I07 | B1 |
| 3I08 | C1 |
| 3I10 | B1 |
| 3O02 | D1 |
| 3O03 | E1 |
| 3O04 | E1 |
| 3O06 | E1 |
| 3O08 | E1 |
| 3O09 | E1 |
| 3O13 | E1 |
| 3O20 | D1 |
| 3O23 | E1 |
| 3O25 | E1 |
| 3O28 | C1 |
| 3O29 | E1 |
| 3O36 | C1 |
| 3O37 | D1 |
| 3O41 | B1 |
| 3O42 | C1 |
| 3O48 | C1 |
| 3O49 | D1 |
| 3O54 | B1 |
| 3O65 | C1 |
| 3O72 | D1 |
| 3O74 | E1 |
| 3O75 | D1 |
| 3O76 | E1 |
| 3O77 | E1 |
| 3O78 | E1 |
| 3O79 | E1 |
| 3O84 | A1 |
| 3O85 | A1 |
| 3O86 | A1 |
| 3O87 | A1 |
| 3O88 | A1 |
| 3O89 | A1 |
| 3O90 | A1 |
| 3O92 | A1 |
| 5O00 | D1 |
| 6O05 | E1 |
| 6O18 | E1 |
| 6O20 | C1 |
| 6O24 | D1 |
| 6O27 | B1 |
| 6O38 | D1 |
| 6O50 | A1 |
| 6O51 | A1 |
| 7O00 | E1 |
| 7O01 | E1 |
| 7O02 | E1 |
| 7O03 | D1 |
| 7O04 | D1 |
| 7O05 | E1 |
| 7O06 | E1 |
| 7O08 | C1 |
| 7O10 | D1 |
| 7O11 | B1 |
| 7O12 | E1 |
| 7O13 | C1 |
| 7O21 | C1 |
| 9O00 | E1 |

## Layout External I/O Panel (Bottom Side)



| | |
|---|---|
| 2O01 | C1 |
| 2O06 | C1 |
| 2O08 | D1 |
| 2O10 | C1 |
| 2O12 | C1 |
| 2O16 | C1 |
| 2O18 | C1 |
| 2O29 | E1 |
| 2O30 | E1 |
| 2O31 | E1 |
| 2O32 | E1 |
| 2O33 | D1 |
| 2O37 | D1 |
| 2O54 | B1 |
| 2O55 | C1 |
| 2O58 | D1 |
| 2O59 | D1 |
| 3999 | A1 |
| 3I01 | D1 |
| 3I02 | D1 |
| 3I03 | B1 |
| 3I04 | B1 |
| 3I09 | B1 |
| 3O01 | C1 |
| 3O05 | D1 |
| 3O07 | C1 |
| 3O10 | C1 |
| 3O11 | E1 |
| 3O12 | C1 |
| 3O14 | D1 |
| 3O15 | C1 |
| 3O16 | D1 |
| 3O17 | D1 |
| 3O18 | E1 |
| 3O19 | C1 |
| 3O21 | E1 |
| 3O22 | C1 |
| 3O24 | E1 |
| 3O26 | D1 |
| 3O27 | C1 |
| 3O30 | C1 |
| 3O31 | C1 |
| 3O32 | C1 |
| 3O33 | D1 |
| 3O34 | E1 |
| 3O35 | C1 |
| 3O38 | C1 |
| 3O40 | E1 |
| 3O43 | B1 |
| 3O44 | E1 |
| 3O45 | B1 |
| 3O46 | C1 |
| 3O47 | C1 |
| 3O51 | D1 |
| 3O52 | D1 |
| 3O55 | D1 |
| 3O57 | B1 |
| 3O59 | B1 |
| 3O60 | D1 |
| 3O61 | D1 |
| 3O62 | D1 |
| 3O63 | E1 |
| 3O64 | E1 |
| 3O66 | D1 |
| 3O67 | D1 |
| 3O68 | B1 |
| 3O69 | D1 |
| 3O70 | D1 |
| 3O80 | C1 |
| 3O81 | E1 |
| 3O82 | E1 |
| 3O83 | E1 |
| 3O91 | C1 |
| 3O93 | C1 |
| 3O95 | C1 |
| 3O97 | E1 |
| 6O01 | C1 |
| 6O02 | D1 |
| 6O03 | C1 |
| 6O04 | E1 |
| 6O06 | D1 |
| 6O07 | C1 |
| 6O08 | E1 |
| 6O09 | C1 |
| 6O10 | E1 |
| 6O11 | C1 |
| 6O12 | E1 |
| 6O13 | C1 |
| 6O14 | E1 |
| 6O15 | C1 |
| 6O16 | E1 |
| 6O17 | C1 |
| 6O19 | E1 |
| 6O21 | E1 |
| 6O22 | C1 |
| 6O25 | B1 |
| 6O29 | B1 |
| 6O30 | B1 |
| 6O31 | D1 |
| 6O32 | B1 |
| 6O33 | D1 |
| 6O34 | D1 |
| 6O35 | D1 |
| 6O36 | D1 |
| 6O37 | D1 |
| 7O07 | D1 |
| 7O09 | B1 |
| 7O15 | D1 |
| 7O24 | E1 |
| 7O25 | E1 |
| 9O15 | D1 |

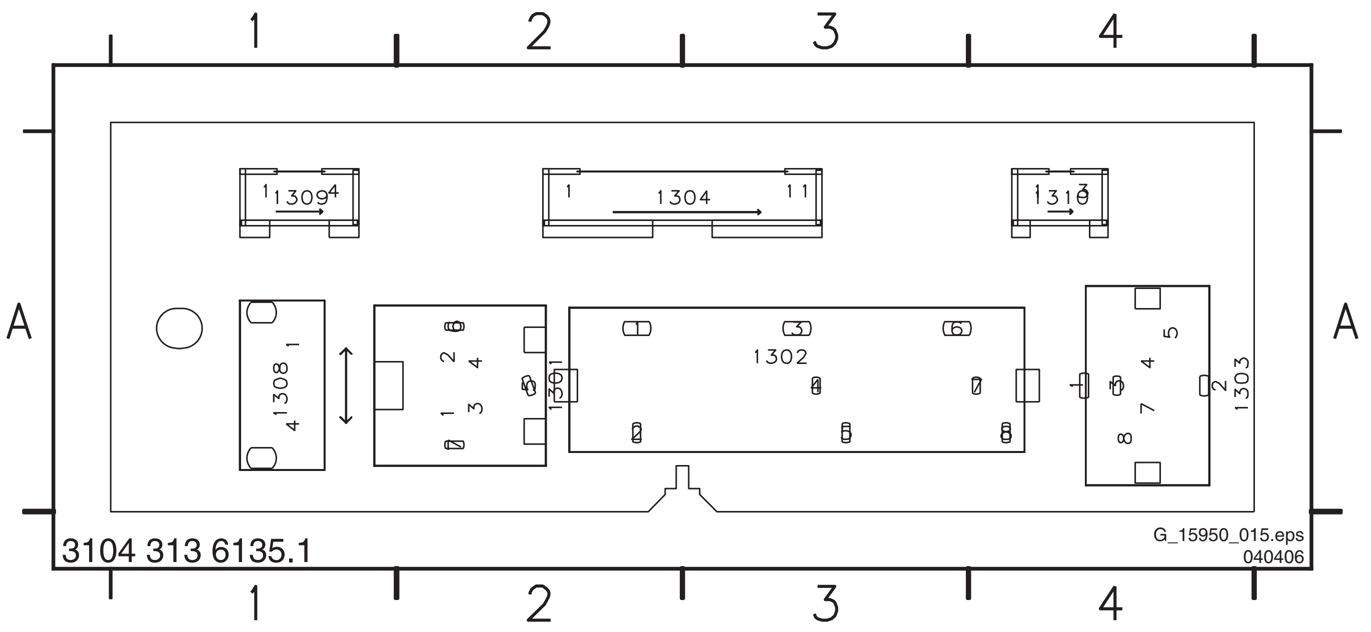
## Side I/O Panel (ME6)


D
SIDE I/O
D
SVHS
1301
YKF51-5359
I301
I302
I303
I304
I305
I306
I307
I308
I309
I310
I311
I312
I313
I314
I315
I316
I317
I318
I319
I320
I321
I325
I326
I327
I328
I329
I330
I331
I332
S301
S302
S303
S304
S305
S306
S307
S308
S310
S311
S312
2303 22p
2301 47p
2302 47p
2304 47p
2311 22p
2305 100p
2306 100p
2307 22n
2308 22n
2309 10n
2310 10n
2312 16V 100u
3301 75R
3302 75R
3303 10R
3304 100R
3305 10R
3306 100R
3307 100R
3308 100R
3309 100K
3310 100R
3311 100K
3312 10K
3313 10K
4301
4302
4303
4304
4306
4307
4308
4309
5300 220R
5301 220R
5302 220R
6301 DF3A6.8
6302 DF3A6.8
6303 DF3A6.8
6304 DF3A6.8
6305 DF3A6.8
6306 DF3A6.8
6307 DF3A6.8
CVBS
YELLOW
1302-1
L
WHITE
1302-2
R
RED
1302-3
HEADPHONE
1303
MSJ-035-18A SR
TO 1M36 OF
SSB BD B
1304
FRONT_Y_CVBS_IN
FRONT_C_IN
L_FRONT_IN
FRONT_DETECT
R_FRONT_IN
HEAD_PH_L
HEAD_PH_R
1310
B3B-PH-K
TO 1M60 OF
SSB BD B
1309
B4B-PH-K
1308
USB
1734366-1
1 2 3 4 5 6 7 8
A B C D E
3104 313 6135.1
G_15950_014.eps
040406

| | |
|---|---|
| 1301 | A1 |
| 1302-1 | B1 |
| 1302-2 | C1 |
| 1302-3 | D1 |
| 1303 | D1 |
| 1304 | A8 |
| 1308 | D8 |
| 1309 | D6 |
| 1310 | C8 |
| 2301 | A3 |
| 2302 | A4 |
| 2303 | A2 |
| 2304 | B3 |
| 2305 | C2 |
| 2306 | D2 |
| 2307 | E3 |
| 2308 | E3 |
| 2309 | E3 |
| 2310 | E4 |
| 2311 | B1 |
| 2312 | D8 |
| 3301 | B1 |
| 3302 | A3 |
| 3303 | A4 |
| 3304 | A4 |
| 3305 | A3 |
| 3306 | A4 |
| 3307 | B3 |
| 3308 | C2 |
| 3309 | C2 |
| 3310 | D2 |
| 3311 | D2 |
| 3312 | E4 |
| 3313 | E4 |
| 4301 | C1 |
| 4302 | C1 |
| 4303 | E8 |
| 4304 | A4 |
| 4306 | A4 |
| 4307 | B3 |
| 4308 | E3 |
| 4309 | E3 |
| 5300 | D7 |
| 5301 | D7 |
| 5302 | D7 |
| 6301 | A2 |
| 6302 | A3 |
| 6303 | B2 |
| 6304 | C2 |
| 6305 | D2 |
| 6306 | E2 |
| 6307 | E2 |
| I301 | A2 |
| I302 | A1 |
| I303 | A3 |
| I304 | A4 |
| I305 | A3 |
| I306 | B2 |
| I307 | B1 |
| I308 | C2 |
| I309 | D2 |
| I310 | D2 |
| I311 | E3 |
| I312 | E2 |
| I313 | E1 |
| I314 | A6 |
| I315 | B6 |
| I316 | B6 |
| I317 | B6 |
| I318 | B6 |
| I319 | B6 |
| I320 | B6 |
| I321 | B8 |
| I325 | D8 |
| I326 | D8 |
| I327 | D8 |
| I328 | D8 |
| I329 | D8 |
| I330 | D6 |
| I331 | D6 |
| I332 | D6 |
| S301 | A1 |
| S302 | A2 |
| S303 | B1 |
| S304 | C1 |
| S305 | D1 |
| S306 | E1 |
| S307 | E1 |
| S308 | E2 |
| S310 | E7 |
| S311 | E7 |
| S312 | E7 |

## Layout Side I/O Panel (ME6) (Top Side)

| | | | | | | |
|---|---|---|---|---|---|---|
| 1301 A2 | 1302 A3 | 1303 A4 | 1304 A2 | 1308 A1 | 1309 A1 | 1310 A4 |


1
2
3
4
A
1309
1304
1310
1308
1301
1302
1303
3104 313 6135.1

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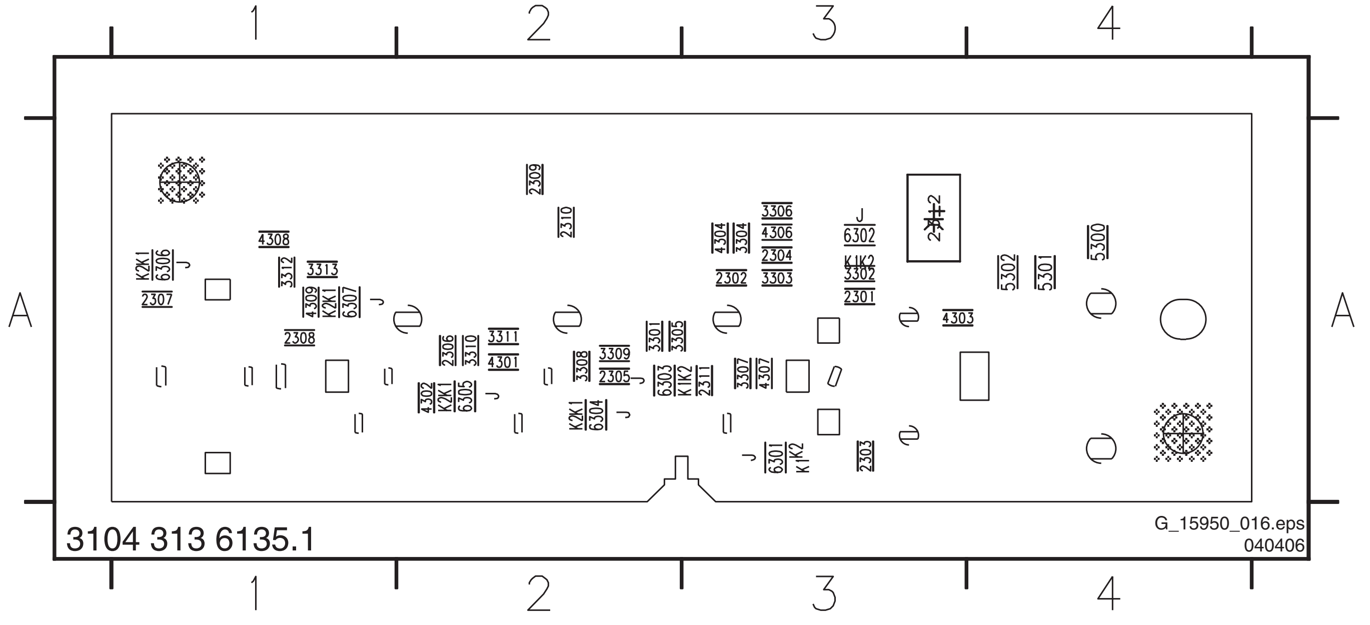
040406

## Layout Side I/O Panel (ME6) (Bottom Side)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2301 A3 | 2307 A1 | 3301 A2 | 3307 A3 | 3313 A1 | 4307 A3 | 6301 A3 | 6307 A1 |
| 2302 A3 | 2308 A1 | 3302 A3 | 3308 A2 | 4301 A2 | 4308 A1 | 6302 A3 | |
| 2303 A3 | 2309 A2 | 3303 A3 | 3309 A2 | 4302 A2 | 4309 A1 | 6303 A2 | |
| 2304 A3 | 2310 A2 | 3304 A3 | 3310 A2 | 4303 A3 | 5300 A4 | 6304 A2 | |
| 2305 A2 | 2311 A3 | 3305 A2 | 3311 A2 | 4304 A3 | 5301 A4 | 6305 A2 | |
| 2306 A2 | 2312 A3 | 3306 A3 | 3312 A1 | 4306 A3 | 5302 A4 | 6306 A1 | |

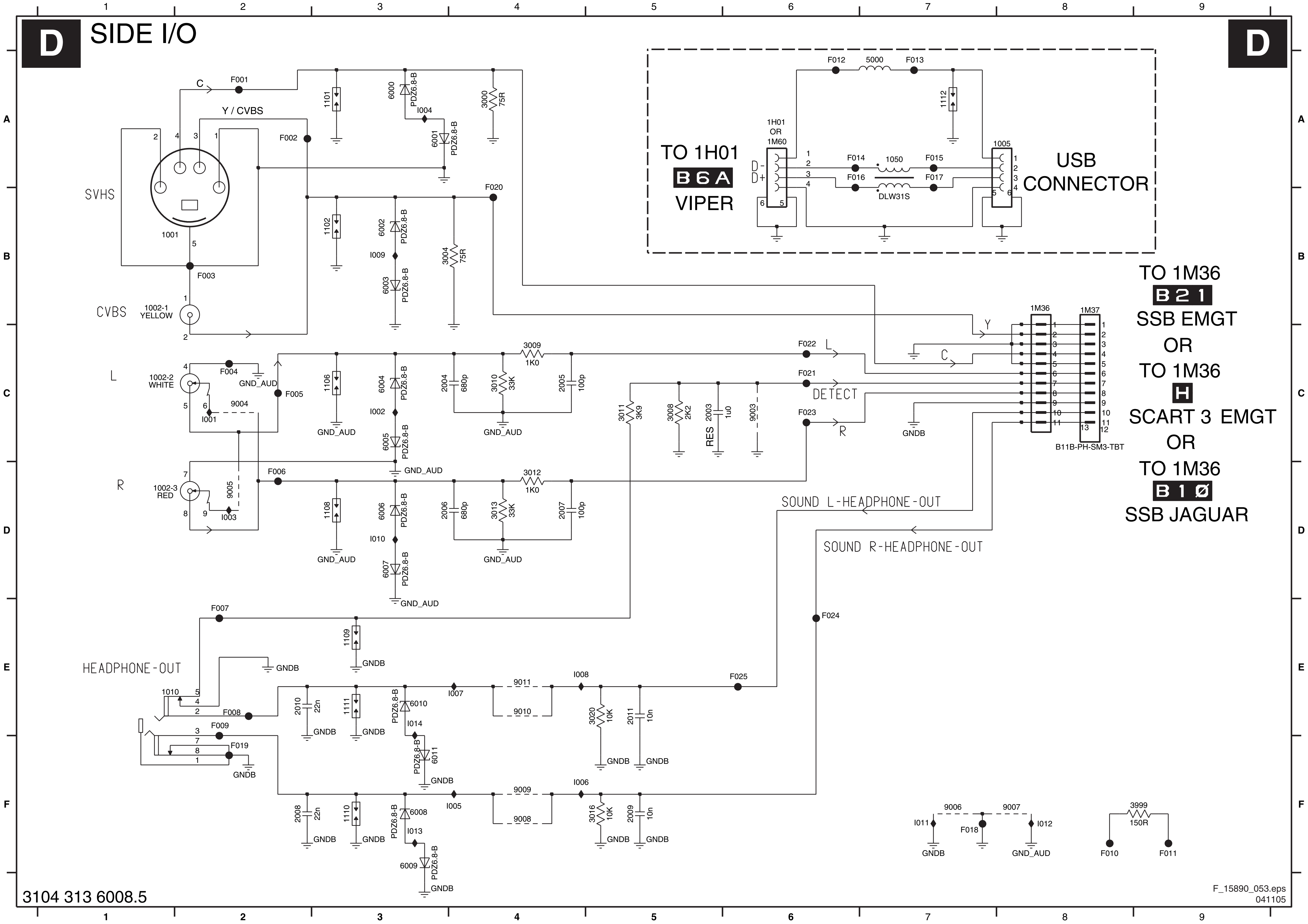

1
2
3
4
A
2309
2310
4308
3312
3313
6306
2307
4309
6307
2308
3311
4301
4302
6305
3308
3309
2305
6304
3301
3305
6303
2311
3302
4307
4304
3304
3306
4306
2304
2302
3303
6302
3302
2301
4303
5302
5301
5300
6301
2303
3104 313 6135.1

G_15950_016.eps
040406

### *Personal Notes:*

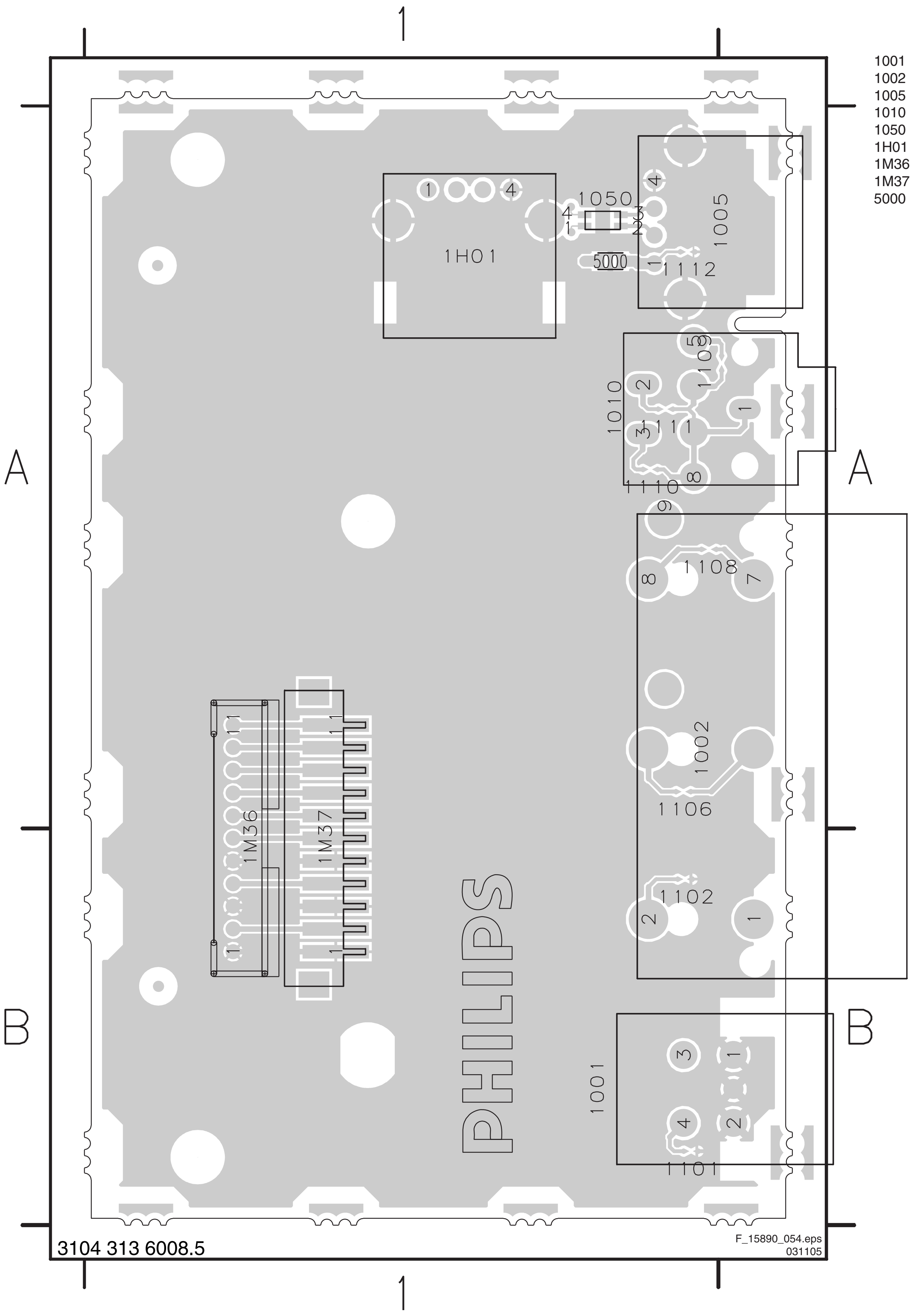
E_06532_012.eps
131004

## Side I/O Panel (32PF9731D/10)


D
SIDE I/O
D
SVHS
1001
CVBS
1002-1
YELLOW
L
1002-2
WHITE
R
1002-3
RED
HEADPHONE-OUT
1010
C
Y / CVBS
F001
F002
F003
F004
F005
F006
F007
F008
F009
F019
F020
F021
F022
F023
F024
F025
GND_AUD
GNDB
1101
1102
1106
1108
1109
1110
1111
6000
6001
6002
6003
6004
6005
6006
6007
6008
6009
6010
6011
PDZ6.8-B
I001
I002
I003
I004
I005
I006
I007
I008
I009
I010
I013
I014
3000
75R
3004
75R
3009
1K0
3010
33K
3011
3K9
3008
2K2
2003
1u0
RES
9003
3012
1K0
3013
33K
2004
680p
2005
100p
2006
680p
2007
100p
9004
9005
9008
9009
9010
9011
3020
10K
3016
10K
2010
22n
2008
22n
2011
10n
2009
10n
DETECT
SOUND L-HEADPHONE-OUT
SOUND R-HEADPHONE-OUT
TO 1H01
B6A
VIPER
1H01
OR
1M60
D-
D+
F012
5000
F013
1112
F014
1050
F015
F016
DLW31S
F017
1005
USB
CONNECTOR
TO 1M36
B21
SSB EMGT
OR
TO 1M36
H
SCART 3 EMGT
OR
TO 1M36
B10
SSB JAGUAR
1M36
1M37
B11B-PH-SM3-TBT
9006
9007
I011
F018
I012
3999
150R
F010
F011
3104 313 6008.5
F_15890_053.eps
041105

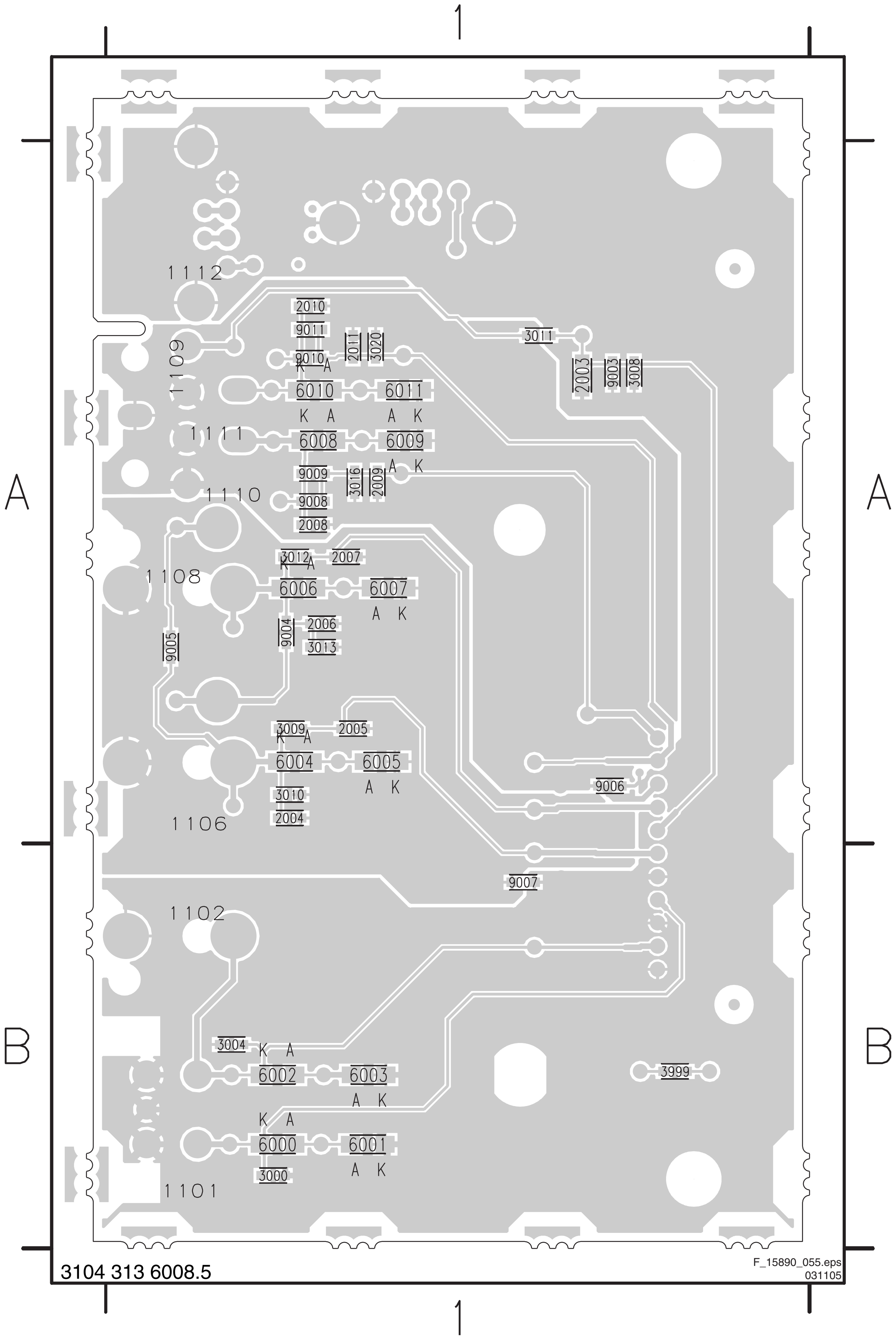
| | |
|---|---|
| 1001 | B2 |
| 1002-1 | B1 |
| 1002-2 | C1 |
| 1002-3 | D1 |
| 1005 | A8 |
| 1010 | E1 |
| 1050 | A7 |
| 1101 | A3 |
| 1102 | B3 |
| 1106 | C3 |
| 1108 | D3 |
| 1109 | E3 |
| 1110 | F3 |
| 1111 | E3 |
| 1112 | A7 |
| 1H01 | A6 |
| 1M36 | B8 |
| 1M37 | B8 |
| 2003 | C5 |
| 2004 | C3 |
| 2005 | C4 |
| 2006 | D3 |
| 2007 | D4 |
| 2008 | F2 |
| 2009 | F5 |
| 2010 | E2 |
| 2011 | E5 |
| 3000 | A4 |
| 3004 | B3 |
| 3008 | C5 |
| 3009 | C4 |
| 3010 | C4 |
| 3011 | C5 |
| 3012 | D4 |
| 3013 | D4 |
| 3016 | F5 |
| 3020 | E5 |
| 3999 | F9 |
| 5000 | A7 |
| 6000 | A3 |
| 6001 | A3 |
| 6002 | B3 |
| 6003 | B3 |
| 6004 | C3 |
| 6005 | C3 |
| 6006 | D3 |
| 6007 | D3 |
| 6008 | F3 |
| 6009 | F3 |
| 6010 | E3 |
| 6011 | F3 |
| 9003 | C6 |
| 9004 | C2 |
| 9005 | D2 |
| 9006 | F7 |
| 9007 | F8 |
| 9008 | F4 |
| 9009 | F4 |
| 9010 | E4 |
| 9011 | E4 |
| F001 | A2 |
| F002 | A2 |
| F003 | B2 |
| F004 | C2 |
| F005 | C2 |
| F006 | D2 |
| F007 | E2 |
| F008 | E2 |
| F009 | E2 |
| F010 | F8 |
| F011 | F9 |
| F012 | A6 |
| F013 | A7 |
| F014 | A6 |
| F015 | A7 |
| F016 | A6 |
| F017 | A7 |
| F018 | F7 |
| F019 | F2 |
| F020 | B4 |
| F021 | C6 |
| F022 | C6 |
| F023 | C6 |
| F024 | E6 |
| F025 | E6 |
| I001 | C2 |
| I002 | C3 |
| I003 | D2 |
| I004 | A3 |
| I005 | F4 |
| I006 | F4 |
| I007 | E4 |
| I008 | E4 |
| I009 | B3 |
| I010 | D3 |
| I011 | F7 |
| I012 | F8 |
| I013 | F3 |
| I014 | E3 |

## Layout Side I/O Panel (32PF9731D/10)(Top Side)


1
A
B
1H01
1050
5000
1005
1112
1010
1109
1111
1110
1108
1002
1106
1102
1001
1101
1M36
1M37
PHILIPS
3104 313 6008.5
F_15890_054.eps
031105

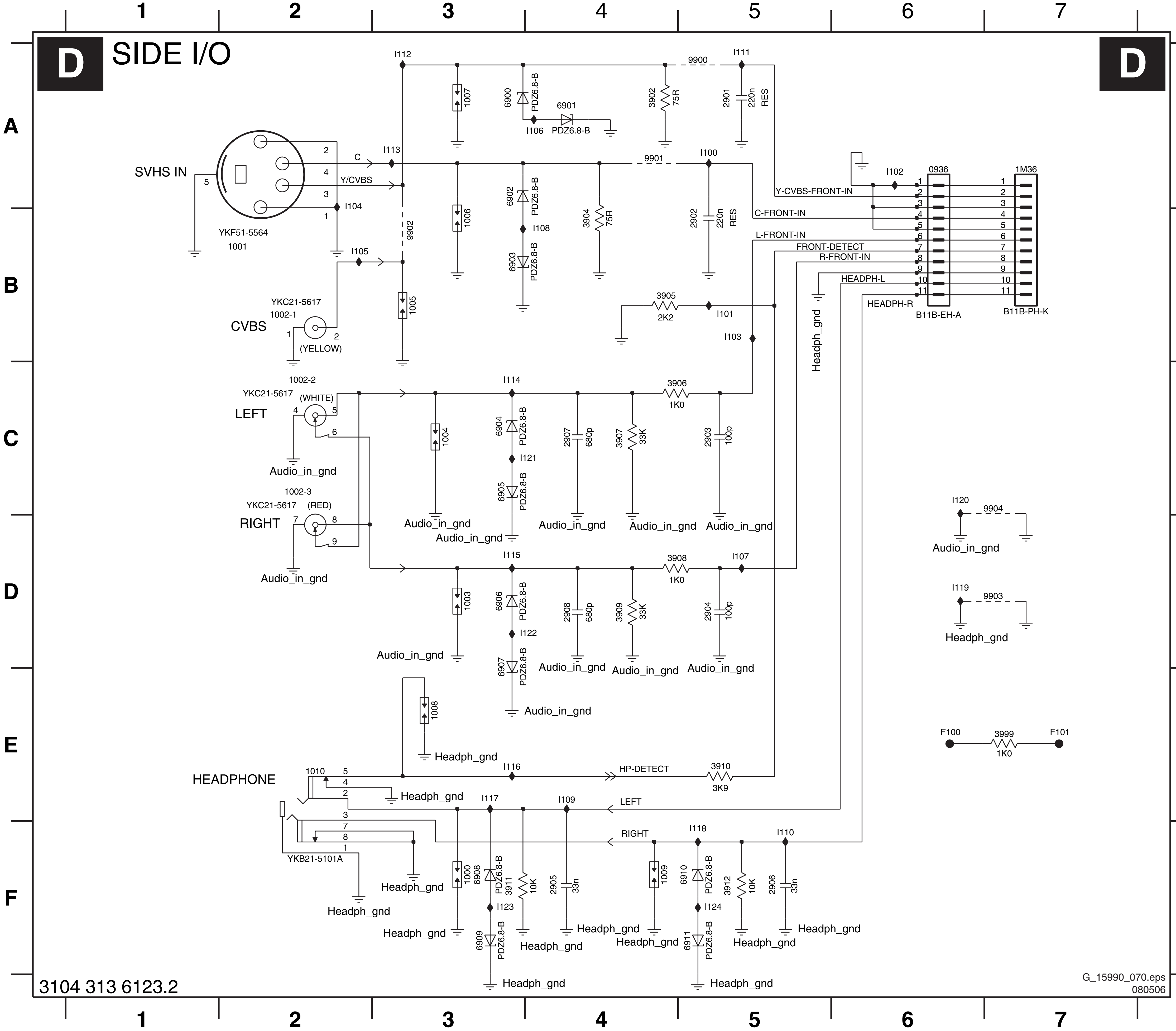
| | |
|---|---|
| 1001 | B1 |
| 1002 | A1 |
| 1005 | A1 |
| 1010 | A1 |
| 1050 | A1 |
| 1H01 | A1 |
| 1M36 | B1 |
| 1M37 | B1 |
| 5000 | A1 |

## Layout Side I/O Panel (32PF9731D/10)(Bottom Side)


1
A
B
1112
1109
1111
1110
1108
1106
1102
1101
2010
9011
9010
2011
3020
6010
6011
6008
6009
9009
3016
2009
9008
2008
3011
2003
9003
3008
3012
2007
6006
6007
9004
2006
3013
9005
3009
2005
6004
6005
3010
2004
9006
9007
3004
6002
6003
3999
6000
6001
3000
K A
A K
3104 313 6008.5
F_15890_055.eps
031105

| | |
|---|---|
| 2003 | A1 |
| 2004 | A1 |
| 2005 | A1 |
| 2006 | A1 |
| 2007 | A1 |
| 2008 | A1 |
| 2009 | A1 |
| 2010 | A1 |
| 2011 | A1 |
| 3000 | B1 |
| 3004 | B1 |
| 3008 | A1 |
| 3009 | A1 |
| 3010 | A1 |
| 3011 | A1 |
| 3012 | A1 |
| 3013 | A1 |
| 3016 | A1 |
| 3020 | A1 |
| 3999 | B1 |
| 6000 | B1 |
| 6001 | B1 |
| 6002 | B1 |
| 6003 | B1 |
| 6004 | A1 |
| 6005 | A1 |
| 6006 | A1 |
| 6007 | A1 |
| 6008 | A1 |
| 6009 | A1 |
| 6010 | A1 |
| 6011 | A1 |
| 9003 | A1 |
| 9004 | A1 |
| 9005 | A1 |
| 9006 | A1 |
| 9007 | B1 |
| 9008 | A1 |
| 9009 | A1 |
| 9010 | A1 |
| 9011 | A1 |

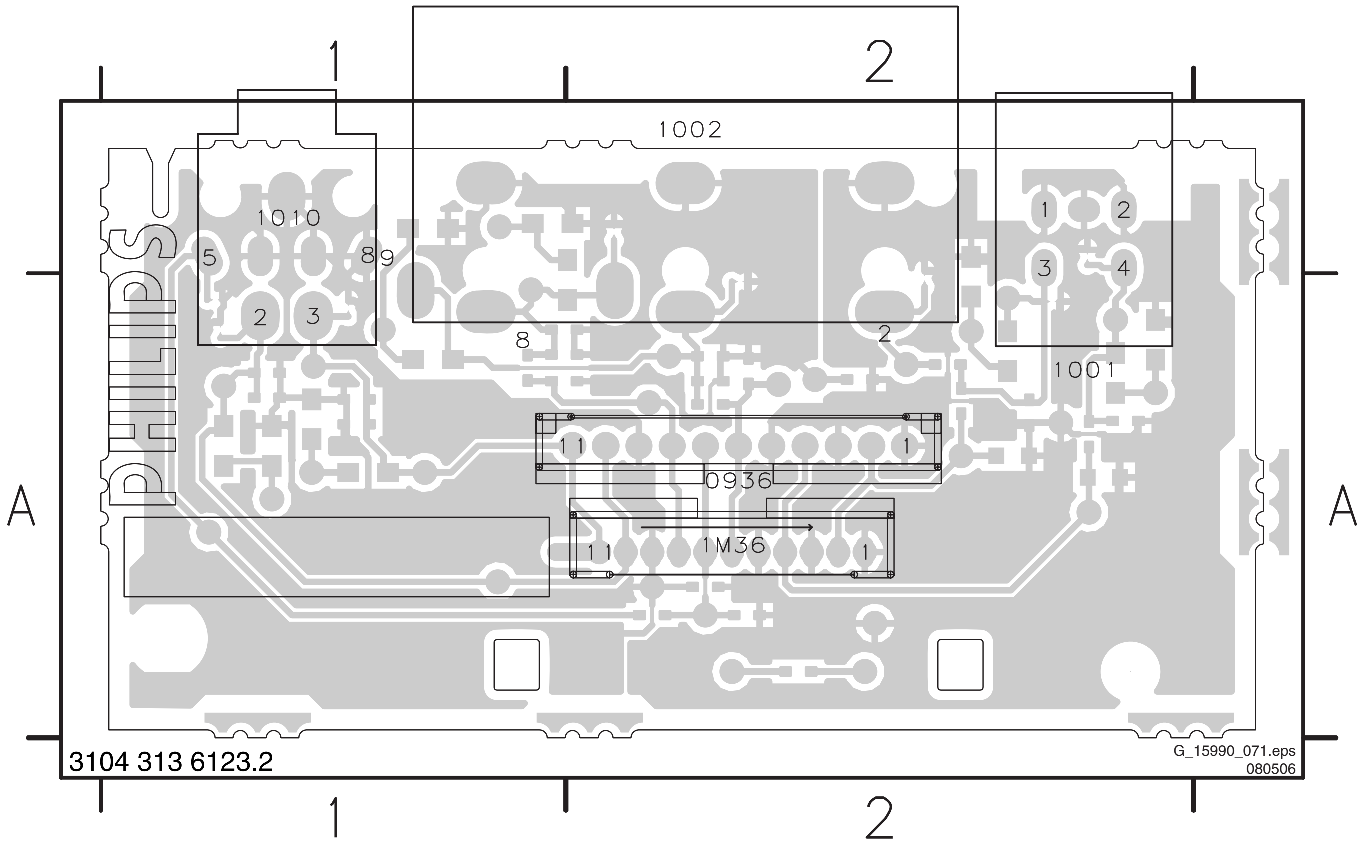
## Side I/O Panel (TOP 37”& 42”)


D
SIDE I/O
SVHS IN
YKF51-5564
1001
C
Y/CVBS
CVBS
YKC21-5617
1002-1
(YELLOW)
LEFT
1002-2
(WHITE)
RIGHT
1002-3
(RED)
Audio_in_gnd
HEADPHONE
1010
YKB21-5101A
Headph_gnd
Y-CVBS-FRONT-IN
C-FRONT-IN
L-FRONT-IN
FRONT-DETECT
R-FRONT-IN
HEADPH-L
HEADPH-R
0936
B11B-EH-A
1M36
B11B-PH-K
HP-DETECT
LEFT
RIGHT
9900
9901
9902
9903
9904
3902 75R
2901 220n RES
3904 75R
2902 220n RES
3905 2K2
3906 1K0
3907 33K
2907 680p
2903 100p
3908 1K0
3909 33K
2908 680p
2904 100p
3910 3K9
3911 10K
2905 33n
3912 10K
2906 33n
3999 1K0
F100
F101
6900 PDZ6.8-B
6901 PDZ6.8-B
6902 PDZ6.8-B
6903 PDZ6.8-B
6904 PDZ6.8-B
6905 PDZ6.8-B
6906 PDZ6.8-B
6907 PDZ6.8-B
6908 PDZ6.8-B
6909 PDZ6.8-B
6910 PDZ6.8-B
6911 PDZ6.8-B
1000
1003
1004
1005
1006
1007
1008
1009
I100
I101
I102
I103
I104
I105
I106
I107
I108
I109
I110
I111
I112
I113
I114
I115
I116
I117
I118
I119
I120
I121
I122
I123
I124
3104 313 6123.2
G_15990_070.eps
080506

| | |
|---|---|
| 0936 | A6 |
| 1000 | F3 |
| 1001 | B2 |
| 1002-1 | B2 |
| 1002-2 | C2 |
| 1002-3 | C2 |
| 1003 | D3 |
| 1004 | C3 |
| 1005 | B3 |
| 1006 | B3 |
| 1007 | A3 |
| 1008 | E3 |
| 1009 | F4 |
| 1010 | E2 |
| 1M36 | A7 |
| 2901 | A5 |
| 2902 | B5 |
| 2903 | C5 |
| 2904 | D5 |
| 2905 | F4 |
| 2906 | F5 |
| 2907 | C4 |
| 2908 | D4 |
| 3902 | A4 |
| 3904 | B4 |
| 3905 | B4 |
| 3906 | C4 |
| 3907 | C4 |
| 3908 | D4 |
| 3909 | D4 |
| 3910 | E5 |
| 3911 | F3 |
| 3912 | F5 |
| 3999 | E7 |
| 6900 | A3 |
| 6901 | A4 |
| 6902 | A3 |
| 6903 | B3 |
| 6904 | C3 |
| 6905 | C3 |
| 6906 | D3 |
| 6907 | D3 |
| 6908 | F3 |
| 6909 | F3 |
| 6910 | F5 |
| 6911 | F5 |
| 9900 | A5 |
| 9901 | A4 |
| 9902 | B3 |
| 9903 | D7 |
| 9904 | C7 |
| F100 | E6 |
| F101 | E7 |
| I100 | A5 |
| I101 | B5 |
| I102 | A6 |
| I103 | B5 |
| I104 | A2 |
| I105 | B2 |
| I106 | A4 |
| I107 | D5 |
| I108 | B4 |
| I109 | E4 |
| I110 | F5 |
| I111 | A5 |
| I112 | A3 |
| I113 | A3 |
| I114 | C3 |
| I115 | D3 |
| I116 | E3 |
| I117 | E3 |
| I118 | F5 |
| I119 | D6 |
| I120 | C6 |
| I121 | C4 |
| I122 | D4 |
| I123 | F3 |
| I124 | F5 |

## Layout Side I/O Panel (TOP 37”& 42”) (Top Side)

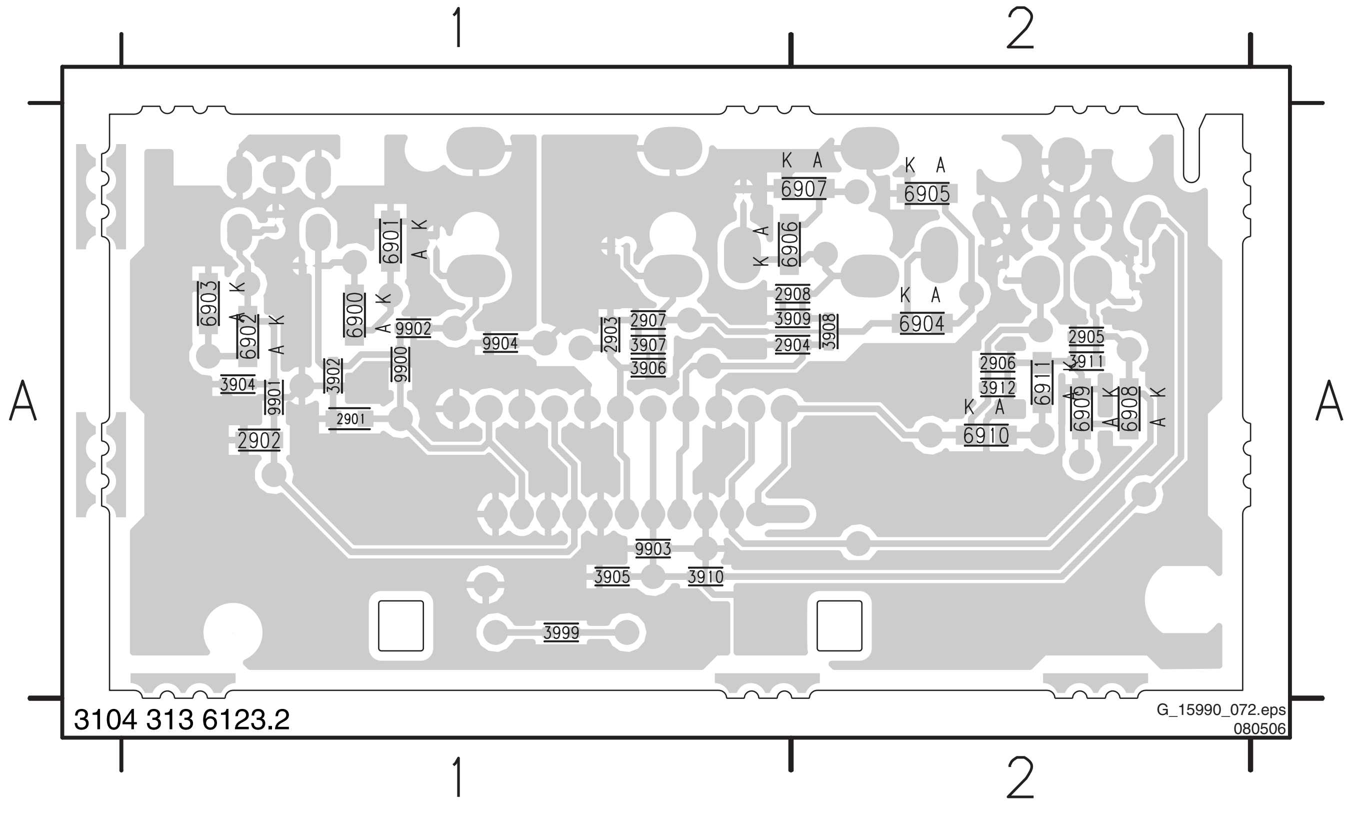
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0936 | A2 | 1001 | A2 | 1002 | A2 | 1010 | A1 | 1M36 | A2 |


1
2
A
A
1002
1010
5
89
2
3
8
2
1
2
3
4
1001
11
1
0936
11
1M36
1
PHILIPS
3104 313 6123.2
1
2

G_15990_071.eps
080506

## Layout Side I/O Panel (TOP 37”& 42”) (Bottom Side)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2901 | A1 | 2904 | A2 | 2907 | A1 | 3904 | A1 | 3907 | A1 | 3910 | A1 | 3999 | A1 | 6902 | A1 | 6905 | A2 | 6908 | A2 | 6911 | A2 | 9902 | A1 | | |
| 2902 | A1 | 2905 | A2 | 2908 | A2 | 3905 | A1 | 3908 | A2 | 3911 | A2 | 6900 | A1 | 6903 | A1 | 6906 | A2 | 6909 | A2 | 9900 | A1 | 9903 | A1 | | |
| 2903 | A1 | 2906 | A2 | 3902 | A1 | 3906 | A1 | 3909 | A2 | 3912 | A2 | 6901 | A1 | 6904 | A2 | 6907 | A1 | 6910 | A2 | 9901 | A1 | 9904 | A1 | | |

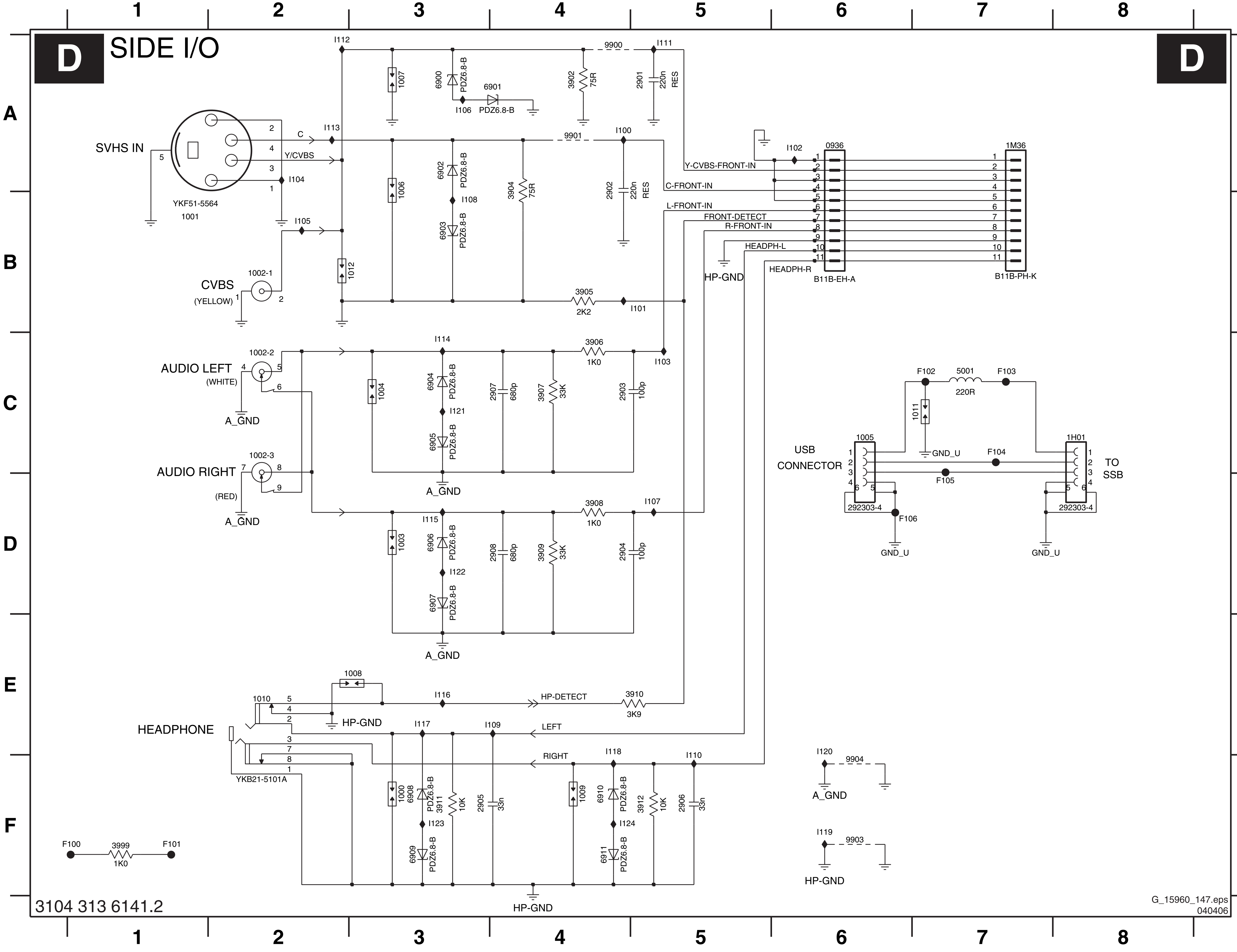

1
2
A
A
6907
K A
6905
K A
6901
A K
6906
K A
6903
K
6902
A K
6900
A K
9902
9904
2903
2907
3907
3906
2908
3909
2904
3908
6904
K A
2905
3911
2906
3912
6911
6909
6908
A K
K A
6910
3904
9901
3902
9900
2901
2902
9903
3905
3910
3999
3104 313 6123.2
1
2

G_15990_072.eps
080506

## *Personal Notes:*

E_06532_012.eps
131004

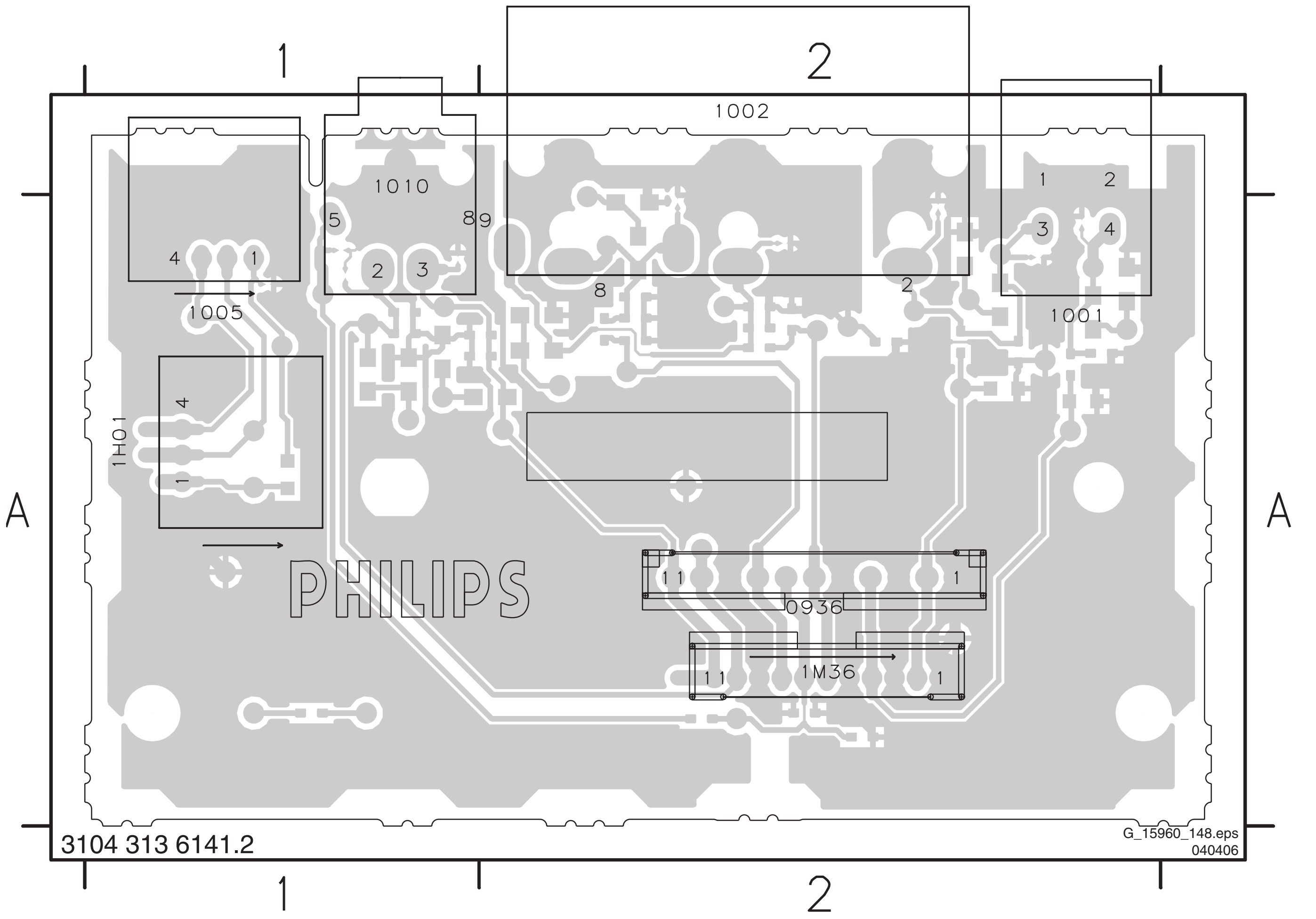
## Side I/O Panel (42”)


D
SIDE I/O
SVHS IN
YKF51-5564
1001
CVBS
(YELLOW)
1002-1
AUDIO LEFT
(WHITE)
1002-2
A_GND
AUDIO RIGHT
(RED)
1002-3
HEADPHONE
1010
YKB21-5101A
1008
HP-GND
HP-DETECT
LEFT
RIGHT
Y-CVBS-FRONT-IN
C-FRONT-IN
L-FRONT-IN
FRONT-DETECT
R-FRONT-IN
HEADPH-L
HEADPH-R
0936
B11B-EH-A
1M36
B11B-PH-K
USB
CONNECTOR
1005
292303-4
1H01
TO
SSB
GND_U
5001
220R
1011
F102
F103
F104
F105
F106
3905
2K2
3906
1K0
3908
1K0
3910
3K9
3902
75R
3904
75R
2901
220n
RES
2902
220n
RES
9900
9901
9903
9904
PDZ6.8-B
2907
680p
2908
680p
3907
33K
3909
33K
2903
100p
2904
100p
3911
10K
3912
10K
2905
33n
2906
33n
F100
3999
1K0
F101
3104 313 6141.2
G_15960_147.eps
040406

| | |
|---|---|
| 0936 | A6 |
| 1000 | F3 |
| 1001 | B1 |
| 1002-1 | B2 |
| 1002-2 | C2 |
| 1002-3 | C2 |
| 1003 | D3 |
| 1004 | C3 |
| 1005 | C6 |
| 1006 | A3 |
| 1007 | A3 |
| 1008 | E3 |
| 1009 | F4 |
| 1010 | E2 |
| 1011 | C7 |
| 1012 | B2 |
| 1H01 | C8 |
| 1M36 | A7 |
| 2901 | A5 |
| 2902 | A4 |
| 2903 | C4 |
| 2904 | D4 |
| 2905 | F3 |
| 2906 | F5 |
| 2907 | C4 |
| 2908 | D4 |
| 3902 | A4 |
| 3904 | A4 |
| 3905 | B4 |
| 3906 | C4 |
| 3907 | C4 |
| 3908 | D4 |
| 3909 | D4 |
| 3910 | E5 |
| 3911 | F3 |
| 3912 | F5 |
| 3999 | F1 |
| 5001 | C7 |
| 6900 | A3 |
| 6901 | A4 |
| 6902 | A3 |
| 6903 | B3 |
| 6904 | C3 |
| 6905 | C3 |
| 6906 | D3 |
| 6907 | D3 |
| 6908 | F3 |
| 6909 | F3 |
| 6910 | F4 |
| 6911 | F4 |
| 9900 | A4 |
| 9901 | A4 |
| 9903 | F6 |
| 9904 | F6 |
| F100 | F1 |
| F101 | F1 |
| F102 | C7 |
| F103 | C7 |
| F104 | C7 |
| F105 | D7 |
| F106 | D6 |
| I100 | A4 |
| I101 | B5 |
| I102 | A6 |
| I103 | C5 |
| I104 | A2 |
| I105 | B2 |
| I106 | A3 |
| I107 | D5 |
| I108 | B3 |
| I109 | E4 |
| I110 | F5 |
| I111 | A5 |
| I112 | A2 |
| I113 | A2 |
| I114 | C3 |
| I115 | D3 |
| I116 | E3 |
| I117 | E3 |
| I118 | E4 |
| I119 | F6 |
| I120 | E6 |
| I121 | C3 |
| I122 | D3 |
| I123 | F3 |
| I124 | F4 |

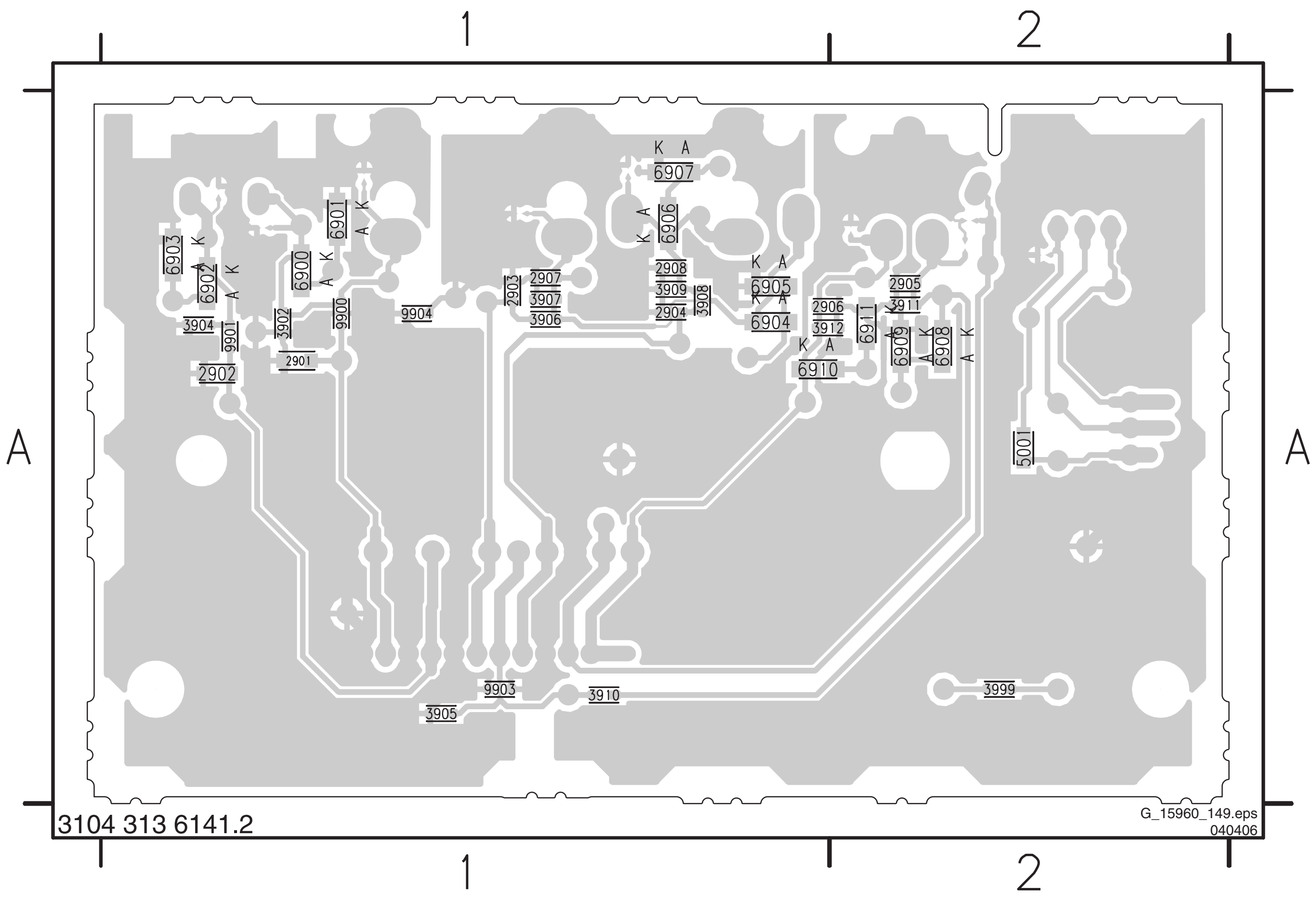
## Layout Side I/O Panel (42”) (Top Side)

| | |
|---|---|
| 0936 | A2 |
| 1001 | A2 |
| 1002 | A2 |
| 1005 | A1 |
| 1010 | A1 |
| 1H01 | A1 |
| 1M36 | A2 |

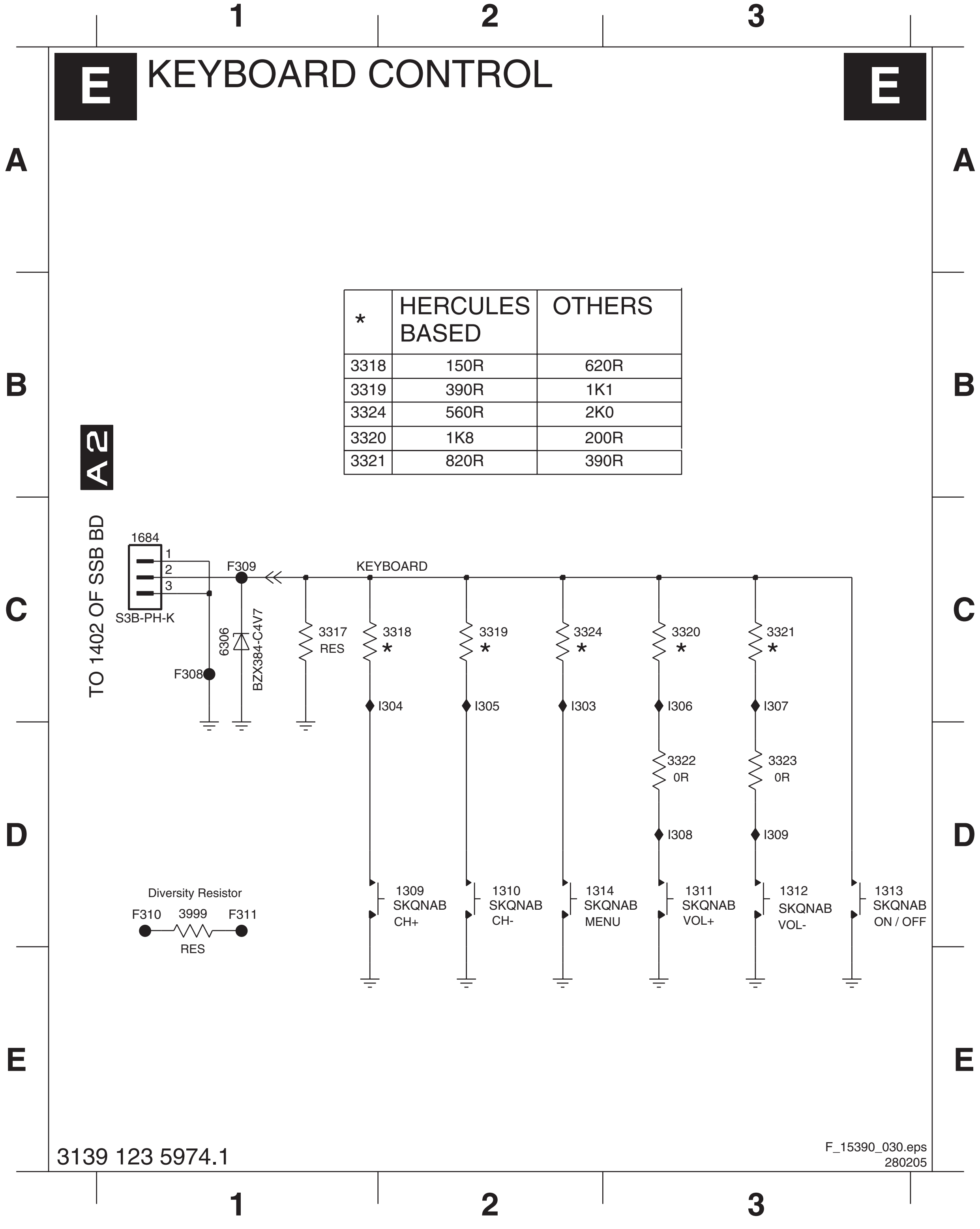

1
2
1002
1010
5
89
4
1
2
3
1005
8
2
1
2
3
4
1001
1H01
4
1
A
A
PHILIPS
11
1
0936
11
1M36
1
1
2
3104 313 6141.2
G_15960_148.eps
040406

## Layout Side I/O Panel (42”) (Bottom Side)

| | |
|---|---|
| 2901 | A1 |
| 2902 | A1 |
| 2903 | A1 |
| 2904 | A1 |
| 2905 | A2 |
| 2906 | A1 |
| 2907 | A1 |
| 2908 | A1 |
| 3902 | A1 |
| 3904 | A1 |
| 3905 | A1 |
| 3906 | A1 |
| 3907 | A1 |
| 3908 | A1 |
| 3909 | A1 |
| 3910 | A1 |
| 3911 | A2 |
| 3912 | A1 |
| 3999 | A2 |
| 5001 | A2 |
| 6900 | A1 |
| 6901 | A1 |
| 6902 | A1 |
| 6903 | A1 |
| 6904 | A1 |
| 6905 | A1 |
| 6906 | A1 |
| 6907 | A1 |
| 6908 | A2 |
| 6909 | A2 |
| 6910 | A1 |
| 6911 | A1 |
| 9900 | A1 |
| 9901 | A1 |
| 9903 | A1 |
| 9904 | A1 |


1
2
A
A
6907
6906
6901
6903
6902
6900
3904
9901
3902
2901
2902
9900
9904
2903
2907
3907
3906
2908
3909
2904
3908
6905
6904
2906
3912
6911
6910
2905
3911
6909
6908
5001
9903
3905
3910
3999
3104 313 6141.2
G_15960_149.eps
040406
1
2

## Control Panel (ME6 32”)

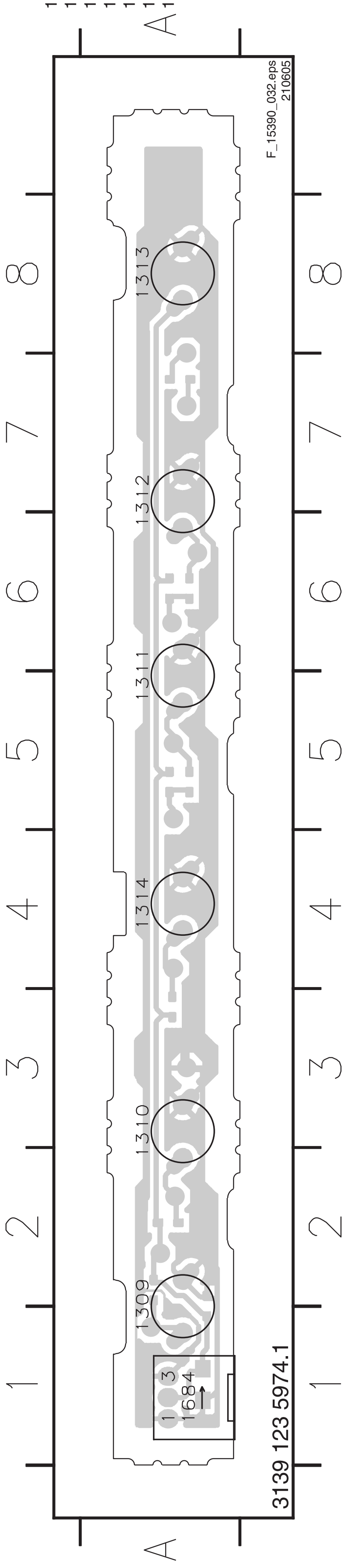

1
2
3
A
B
C
D
E
E
KEYBOARD CONTROL
E
A2
TO 1402 OF SSB BD
1684
1
2
3
S3B-PH-K
F309
F308
6306
BZX384-C4V7
KEYBOARD
3317
RES
3318 *
3319 *
3324 *
3320 *
3321 *
I304
I305
I303
I306
I307
3322
0R
3323
0R
I308
I309
1309
SKQNAB
CH+
1310
SKQNAB
CH-
1314
SKQNAB
MENU
1311
SKQNAB
VOL+
1312
SKQNAB
VOL-
1313
SKQNAB
ON / OFF
Diversity Resistor
F310
3999
F311
RES
3139 123 5974.1
F_15390_030.eps
280205

| * | HERCULES BASED | OTHERS |
|---|---|---|
| 3318 | 150R | 620R |
| 3319 | 390R | 1K1 |
| 3324 | 560R | 2K0 |
| 3320 | 1K8 | 200R |
| 3321 | 820R | 390R |

| | |
|---|---|
| 1008 | D1 |
| 1309 | D2 |
| 1310 | D2 |
| 1311 | D3 |
| 1312 | D3 |
| 1313 | D3 |
| 1314 | D2 |
| 1684 | C1 |
| 3317 | C1 |
| 3318 | C2 |
| 3319 | C2 |
| 3320 | C3 |
| 3321 | C3 |
| 3322 | D3 |
| 3323 | D3 |
| 3324 | C2 |
| 3999 | D1 |
| 6306 | C1 |
| F308 | C1 |
| F309 | C1 |
| F310 | D1 |
| F311 | D1 |
| I303 | C2 |
| I304 | C2 |
| I305 | C2 |
| I306 | C3 |
| I307 | C3 |
| I308 | D3 |
| I309 | D3 |

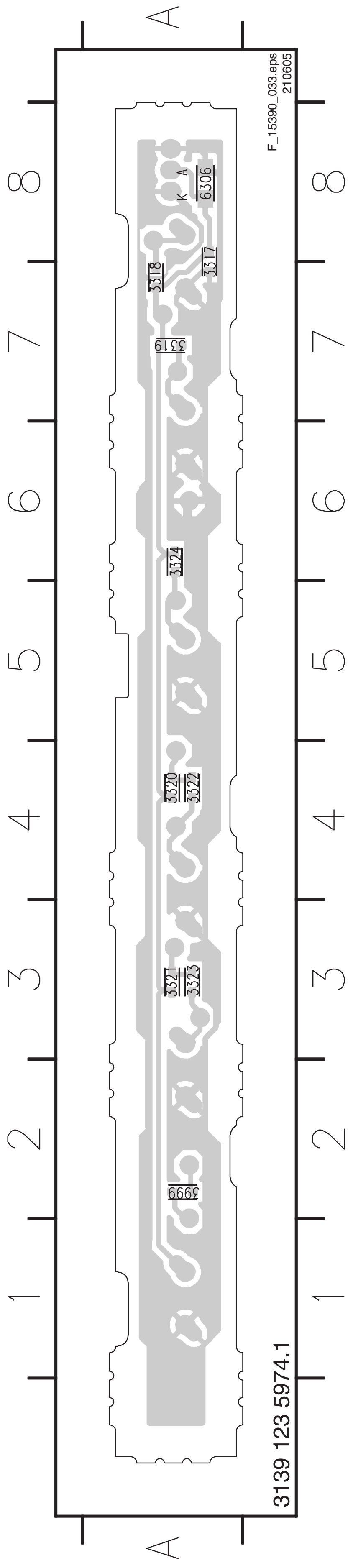
## Layout Control Panel (Top Side)

| | |
|---|---|
| 1309 | A1 |
| 1310 | A3 |
| 1311 | A5 |
| 1312 | A7 |
| 1313 | A8 |
| 1314 | A4 |
| 1684 | A1 |


A
1
2
3
4
5
6
7
8
1313
1312
1311
1314
1310
1309
1684
1 3
F_15390_032.eps
210605
3139 123 5974.1

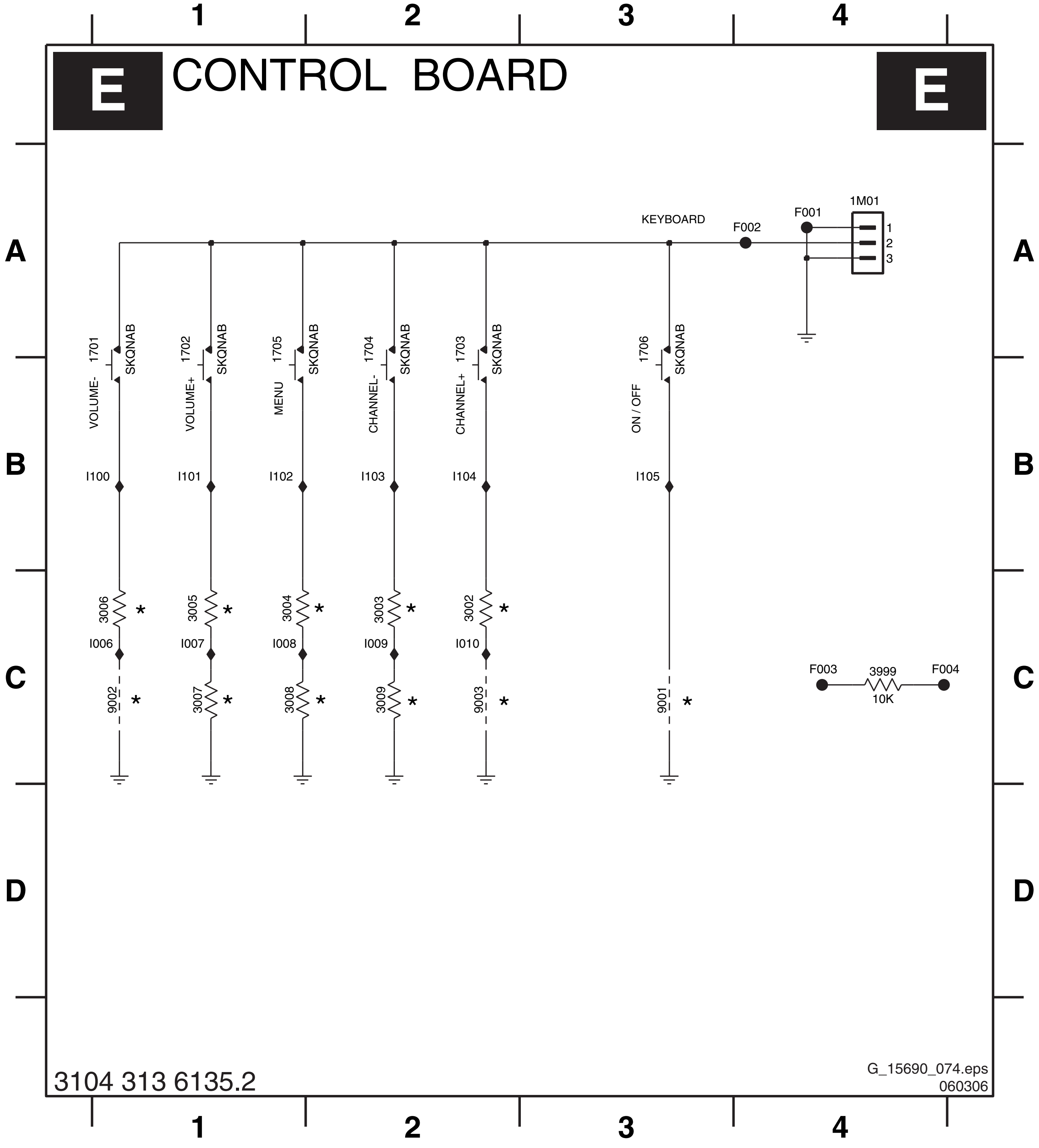
## Layout Control Panel (Bottom Side)

| | |
|---|---|
| 3317 | A7 |
| 3318 | A7 |
| 3319 | A7 |
| 3320 | A4 |
| 3321 | A3 |
| 3322 | A4 |
| 3323 | A3 |
| 3324 | A6 |
| 3999 | A2 |
| 6306 | A8 |

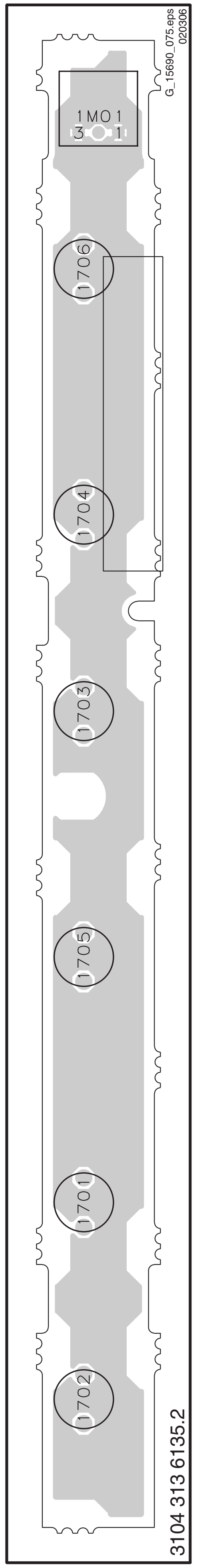

A
1
2
3
4
5
6
7
8
6306
K A
3317
3318
3319
3324
3320
3322
3321
3323
3999
F_15390_033.eps
210605
3139 123 5974.1

## Control Panel (TOP)

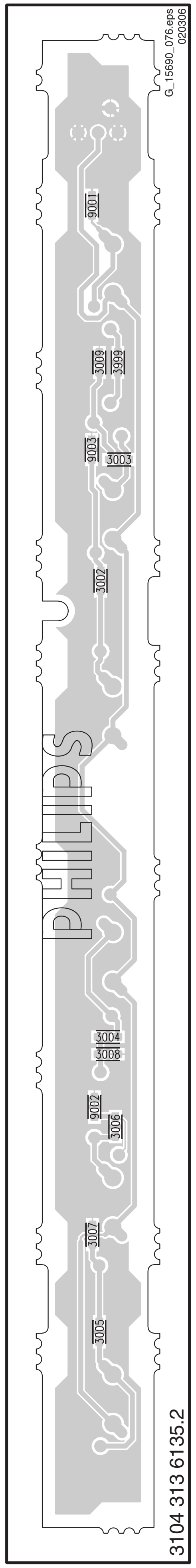
| | |
|---|---|
| 1701 | A1 |
| 1702 | A1 |
| 1703 | A2 |
| 1704 | A2 |
| 1705 | A1 |
| 1706 | A3 |
| 1M01 | A4 |
| 3002 | C2 |
| 3003 | C2 |
| 3004 | C1 |
| 3005 | C1 |
| 3006 | C1 |
| 3007 | C1 |
| 3008 | C1 |
| 3009 | C2 |
| 3999 | C4 |
| 9001 | C3 |
| 9002 | C1 |
| 9003 | C2 |
| F001 | A4 |
| F002 | A4 |
| F003 | C4 |
| F004 | C4 |
| I006 | C1 |
| I007 | C1 |
| I008 | C1 |
| I009 | C2 |
| I010 | C2 |
| I100 | B1 |
| I101 | B1 |
| I102 | B1 |
| I103 | B2 |
| I104 | B2 |
| I105 | B3 |


1
2
3
4
A
B
C
D
E
CONTROL BOARD
E
KEYBOARD
F002
F001
1M01
1
2
3
1701
SKQNAB
VOLUME-
1702
SKQNAB
VOLUME+
1705
SKQNAB
MENU
1704
SKQNAB
CHANNEL-
1703
SKQNAB
CHANNEL+
1706
SKQNAB
ON / OFF
I100
I101
I102
I103
I104
I105
3006
3005
3004
3003
3002
I006
I007
I008
I009
I010
9002
3007
3008
3009
9003
9001
*
F003
3999
10K
F004
3104 313 6135.2
G_15690_074.eps
060306

## Layout Control Panel (Top Side)

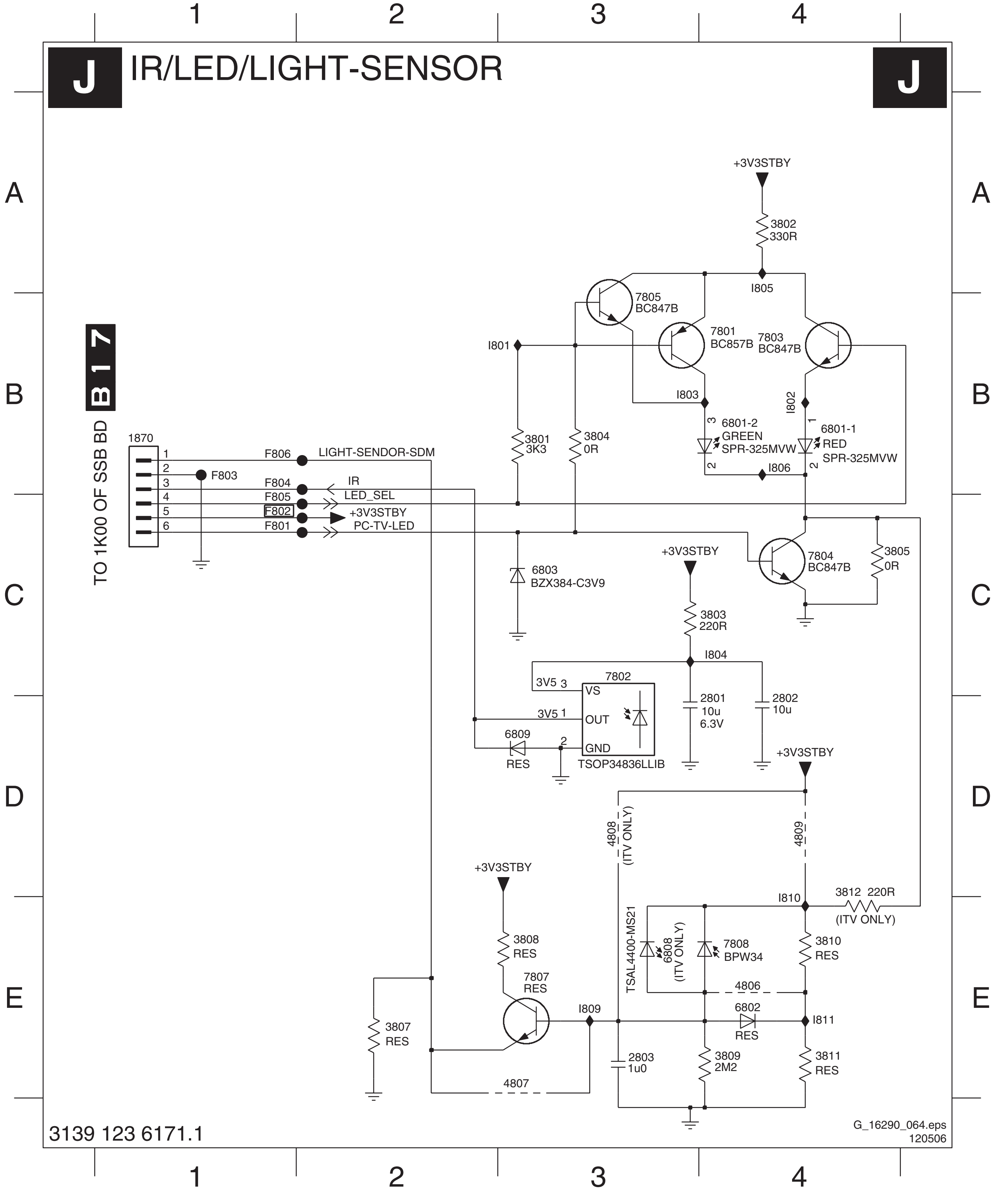

G_15690_075.eps
020306
1M01
3
1
1706
1704
1703
1705
1701
1702
3104 313 6135.2

## Layout Control Panel (Bottom Side)


G_15690_076.eps
020306
9001
3009
3999
9003
3003
3002
PHILIPS
3004
3008
9002
3006
3007
3005
3104 313 6135.2

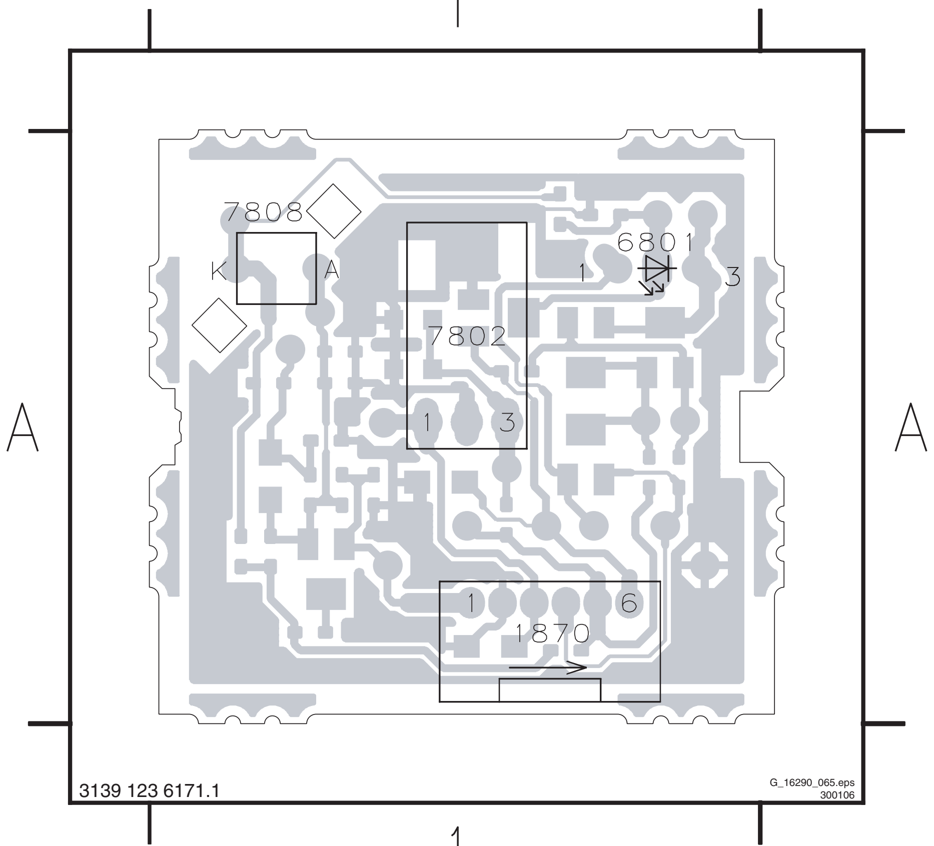
## Front IR / LED Panel (ME6)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1870 B1 | 3802 A4 | 3808 E3 | 4806 E4 | 6801-2 B4 | 7802 C3 | 7808 E4 | F805 C1 | I804 C4 | I811 E4 |
| 2801 D4 | 3803 C4 | 3809 E4 | 4807 E3 | 6802 E4 | 7803 B4 | F801 C1 | F806 B1 | I805 A4 | |
| 2802 D4 | 3804 B3 | 3810 E4 | 4808 D3 | 6803 C3 | 7804 C4 | F802 C1 | I801 B3 | I806 B4 | |
| 2803 E3 | 3805 C4 | 3811 E4 | 4809 D4 | 6809 D3 | 7805 B3 | F803 B1 | I802 B4 | I809 E3 | |
| 3801 B3 | 3807 E2 | 3812 D4 | 6801-1 B4 | 7801 B4 | 7807 E3 | F804 B1 | I803 B3 | I810 E4 | |


1
2
3
4
A
B
C
D
E
J
IR/LED/LIGHT-SENSOR
J
+3V3STBY
3802
330R
I805
7805
BC847B
7801
BC857B
7803
BC847B
I801
I803
I802
6801-2
GREEN
SPR-325MVW
6801-1
RED
SPR-325MVW
I806
3801
3K3
3804
0R
B17
TO 1K00 OF SSB BD
1870
F806
LIGHT-SENDOR-SDM
F803
F804
IR
F805
LED_SEL
F802
+3V3STBY
F801
PC-TV-LED
6803
BZX384-C3V9
+3V3STBY
7804
BC847B
3805
0R
3803
220R
I804
7802
3V5 3
VS
3V5 1
OUT
GND
6809
RES
TSOP34836LLIB
2801
10u
6.3V
2802
10u
+3V3STBY
4808
(ITV ONLY)
4809
+3V3STBY
I810
3812 220R
(ITV ONLY)
TSAL4400-MS21
6808
(ITV ONLY)
7808
BPW34
3810
RES
3808
RES
7807
RES
4806
I809
6802
RES
I811
3807
RES
2803
1u0
3809
2M2
3811
RES
4807
3139 123 6171.1
G_16290_064.eps
120506

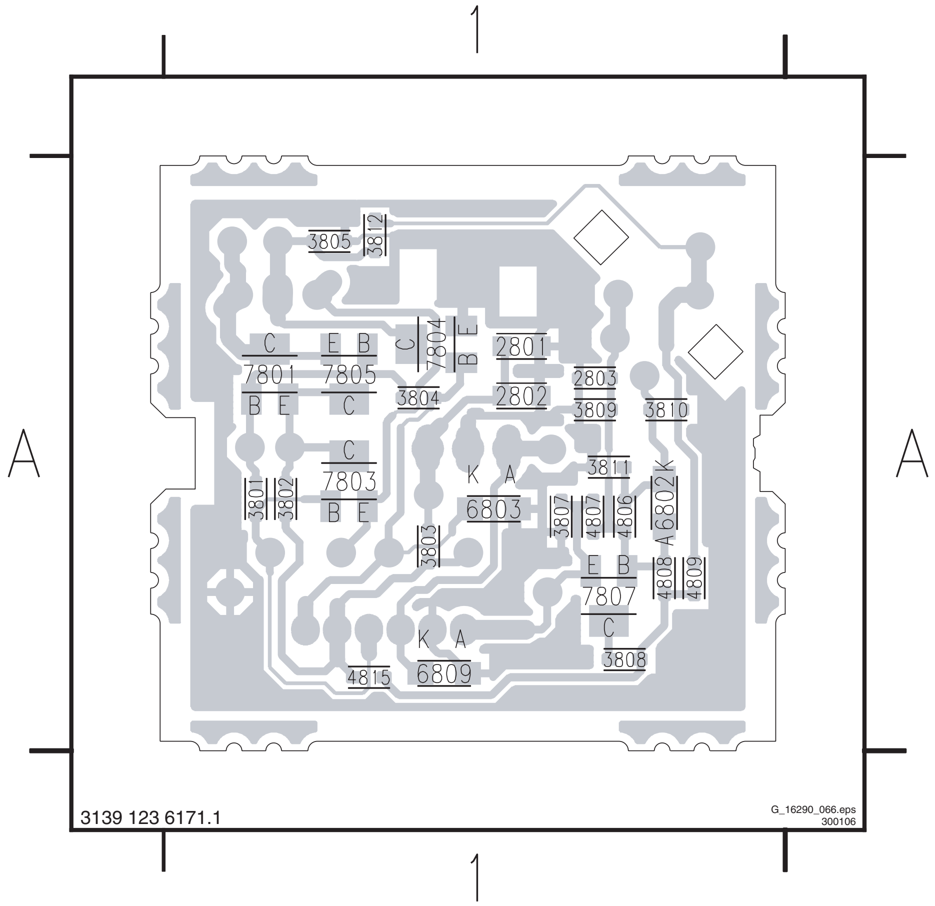
## Layout Front IR / LED Panel (ME6) (Top Side)

| | | | |
|---|---|---|---|
| 1870 A1 | 6801 A1 | 7802 A1 | 7808 A1 |

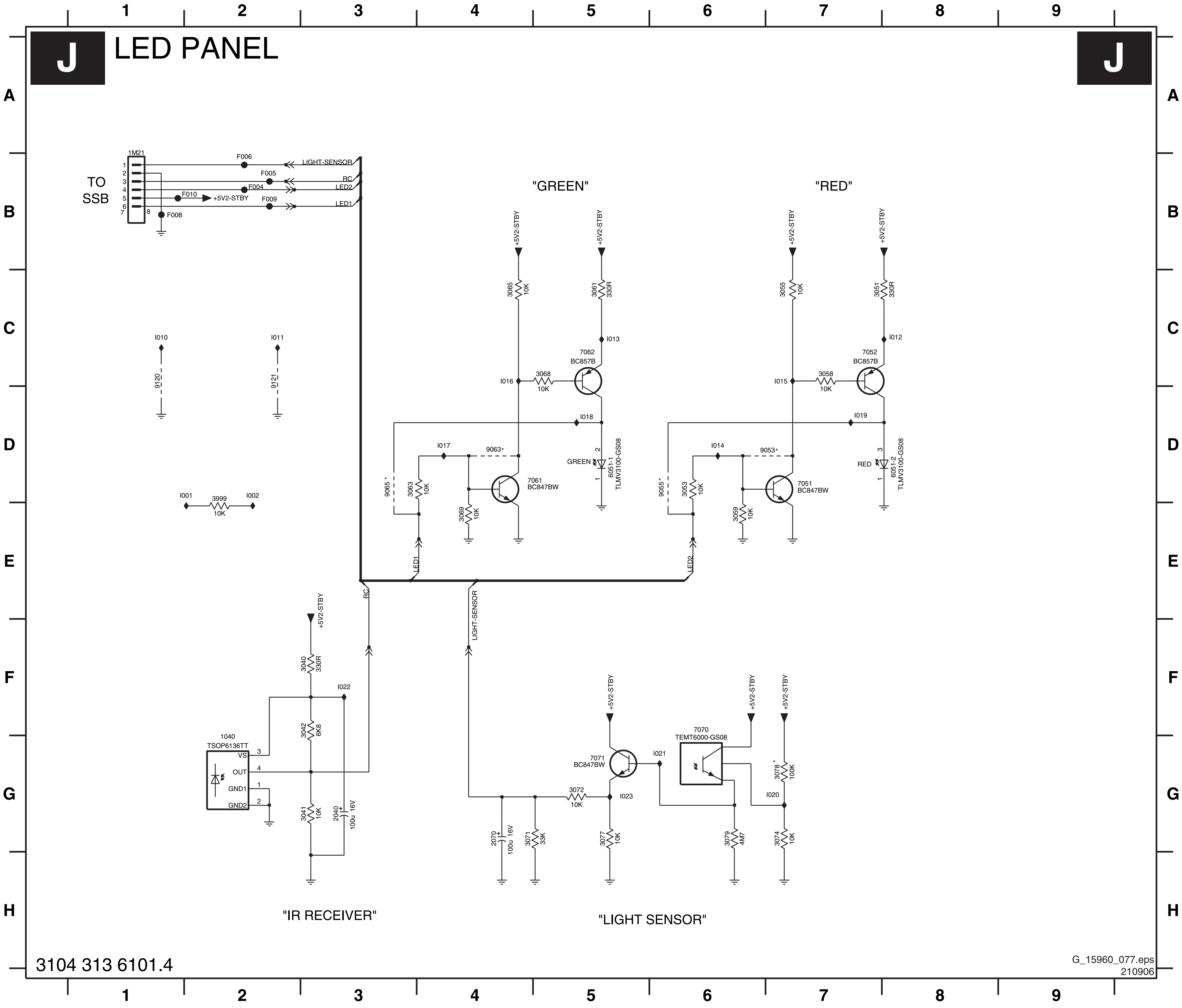

1
A
A
7808
K
A
6801
1
3
7802
1
3
1
6
1870
3139 123 6171.1
G_16290_065.eps
300106

## Layout Front IR / LED Panel (ME6) (Bottom Side)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2801 A1 | 3801 A1 | 3804 A1 | 3808 A1 | 3811 A1 | 4807 A1 | 4815 A1 | 6809 A1 | 7804 A1 |
| 2802 A1 | 3802 A1 | 3805 A1 | 3809 A1 | 3812 A1 | 4808 A1 | 6802 A1 | 7801 A1 | 7805 A1 |
| 2803 A1 | 3803 A1 | 3807 A1 | 3810 A1 | 4806 A1 | 4809 A1 | 6803 A1 | 7803 A1 | 7807 A1 |

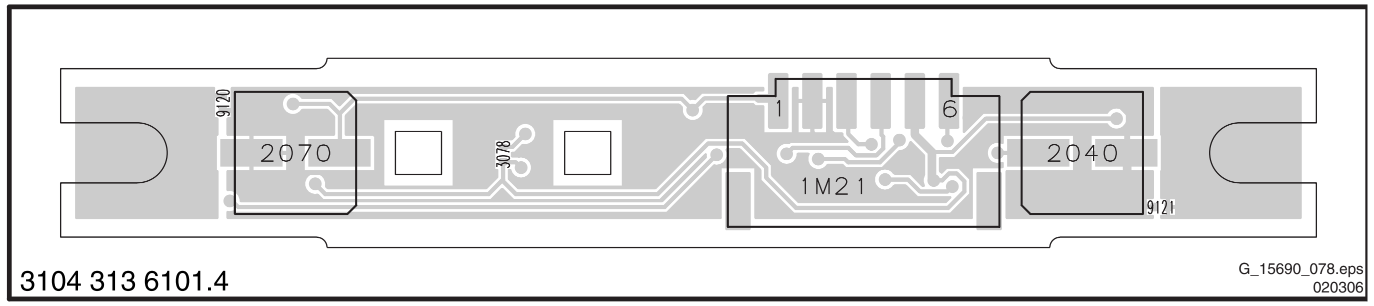

1
A
A
3805
3812
C
7801
B E
E B
7805
C
C
7804
B E
2801
2802
2803
3809
3810
3804
C
7803
B E
3801
3802
K A
6803
3811
3807
4807
4806
A6802K
3803
E B
7807
C
4808
4809
3808
K A
4815
6809
3139 123 6171.1
G_16290_066.eps
300106

## LED Panel (TOP)

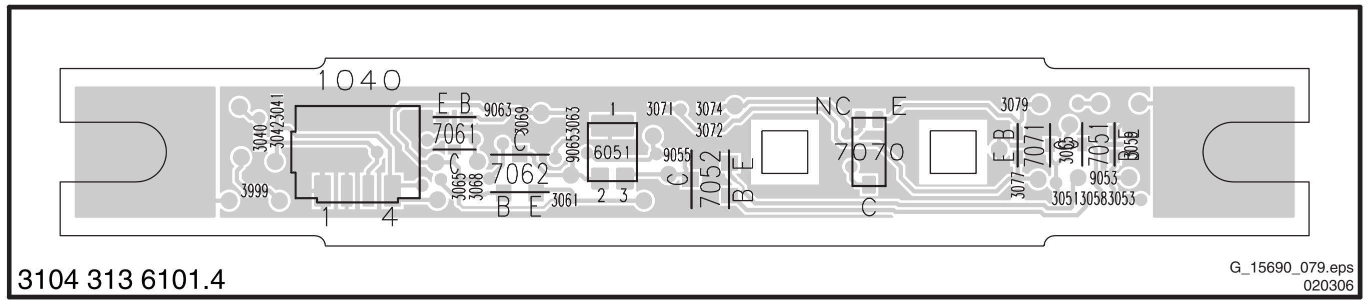

J
LED PANEL
1M21
TO SSB
F006
F005
F004
F010
F009
F008
LIGHT-SENSOR
RC
LED2
LED1
+5V2-STBY
"GREEN"
"RED"
3065 10K
3061 330R
I013
7062 BC857B
I016
3068 10K
I018
I017
9063*
9065*
3063 10K
3069 10K
7061 BC847BW
GREEN
6051-1 TLMV3100-GS08
3055 10K
3051 330R
I012
7052 BC857B
I015
3058 10K
I019
I014
9053*
9055*
3053 10K
3059 10K
7051 BC847BW
RED
6051-2 TLMV3100-GS08
I010
I011
9120
9121
I001
3999 10K
I002
3040 330R
I022
3042 6K8
1040 TSOP6136TT
VS
OUT
GND1
GND2
3041 10K
2040 100u 16V
7071 BC847BW
I021
7070 TEMT6000-GS08
3072 10K
I023
2070 100u 16V
3071 33K
3077 10K
3079 4M7
3078* 100K
I020
3074 10K
"IR RECEIVER"
"LIGHT SENSOR"
3104 313 6101.4
G_15960_077.eps
210906

| | |
|---|---|
| 1040 | G2 |
| 1M20 | B1 |
| 2040 | G3 |
| 2070 | G4 |
| 3040 | F3 |
| 3041 | G3 |
| 3042 | F3 |
| 3051 | C7 |
| 3053 | D6 |
| 3055 | C7 |
| 3058 | C7 |
| 3059 | E6 |
| 3061 | C5 |
| 3063 | D3 |
| 3065 | C4 |
| 3068 | C5 |
| 3069 | E4 |
| 3071 | G4 |
| 3072 | G5 |
| 3074 | G7 |
| 3077 | G5 |
| 3078 | G7 |
| 3079 | G6 |
| 3999 | D2 |
| 6051-1 | D5 |
| 6051-2 | D8 |
| 7051 | D7 |
| 7052 | C7 |
| 7061 | D4 |
| 7062 | C5 |
| 7070 | G6 |
| 7071 | G5 |
| 9053 | D7 |
| 9055 | D6 |
| 9063 | D4 |
| 9065 | D3 |
| 9120 | C1 |
| 9121 | C2 |
| F004 | B2 |
| F005 | B2 |
| F006 | B2 |
| F008 | B1 |
| F009 | B2 |
| F010 | B2 |
| I001 | D2 |
| I002 | D2 |
| I010 | C1 |
| I011 | C2 |
| I012 | C8 |
| I013 | C5 |
| I014 | D6 |
| I015 | C7 |
| I016 | C4 |
| I017 | D4 |
| I018 | D5 |
| I019 | D7 |
| I020 | G7 |
| I021 | G6 |
| I022 | F3 |
| I023 | G5 |

## Layout LED Panel (TOP) (Top Side)


9120
2070
3078
1
6
1M21
2040
9121
3104 313 6101.4
G_15690_078.eps
020306

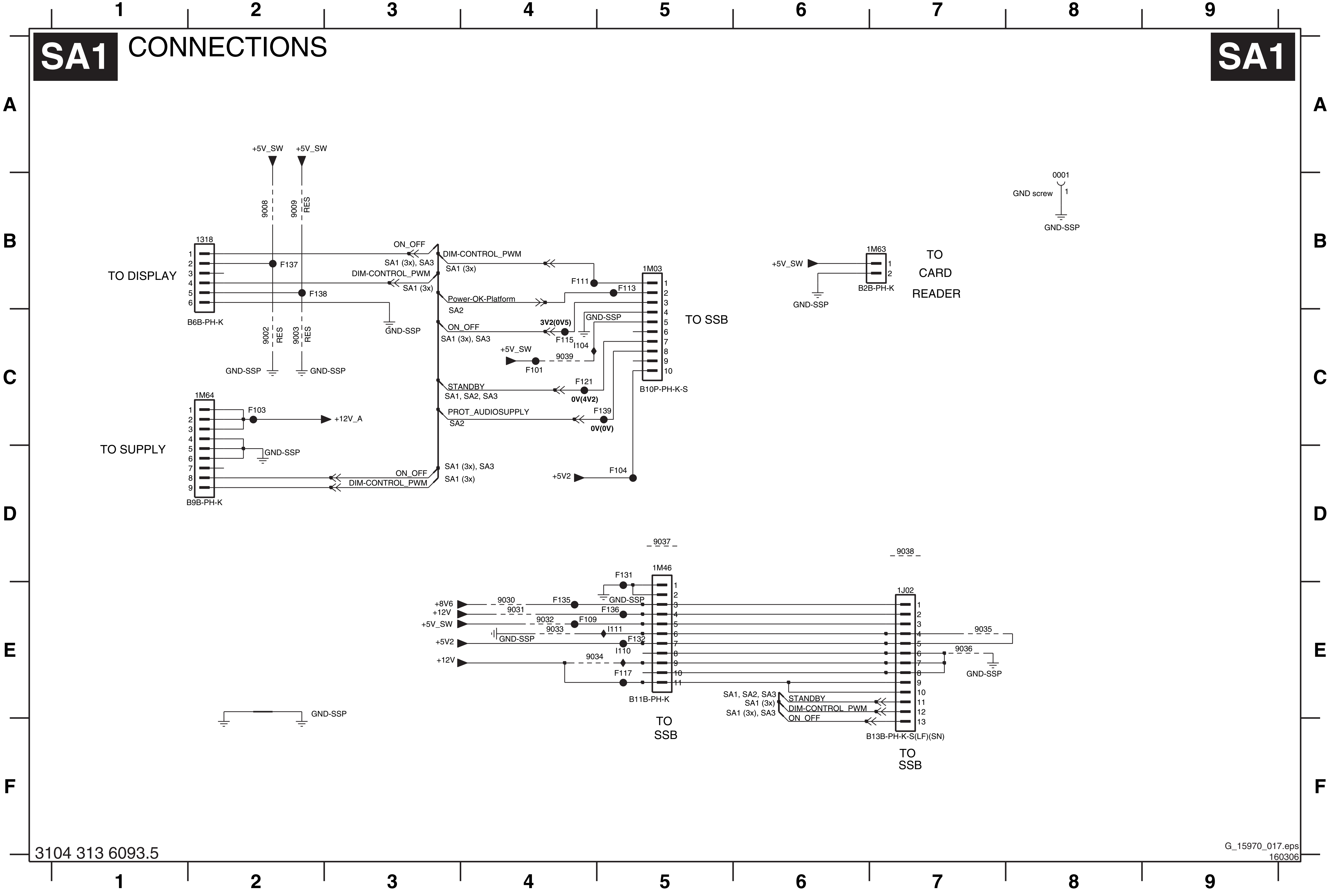
## Layout LED Panel ((TOP) (Bottom Side)


1040
E B
9063
7061
C
3069
7062
C
B E
3061
6051
1
2 3
3071
3074
3072
9055
7052
C
B E
NC
E
7070
C
3079
E B
7071
7051
9053
3051 3058 3053
3040
3042 3041
3999
1
4
3104 313 6101.4
G_15690_079.eps
020306

## *Personal Notes:*

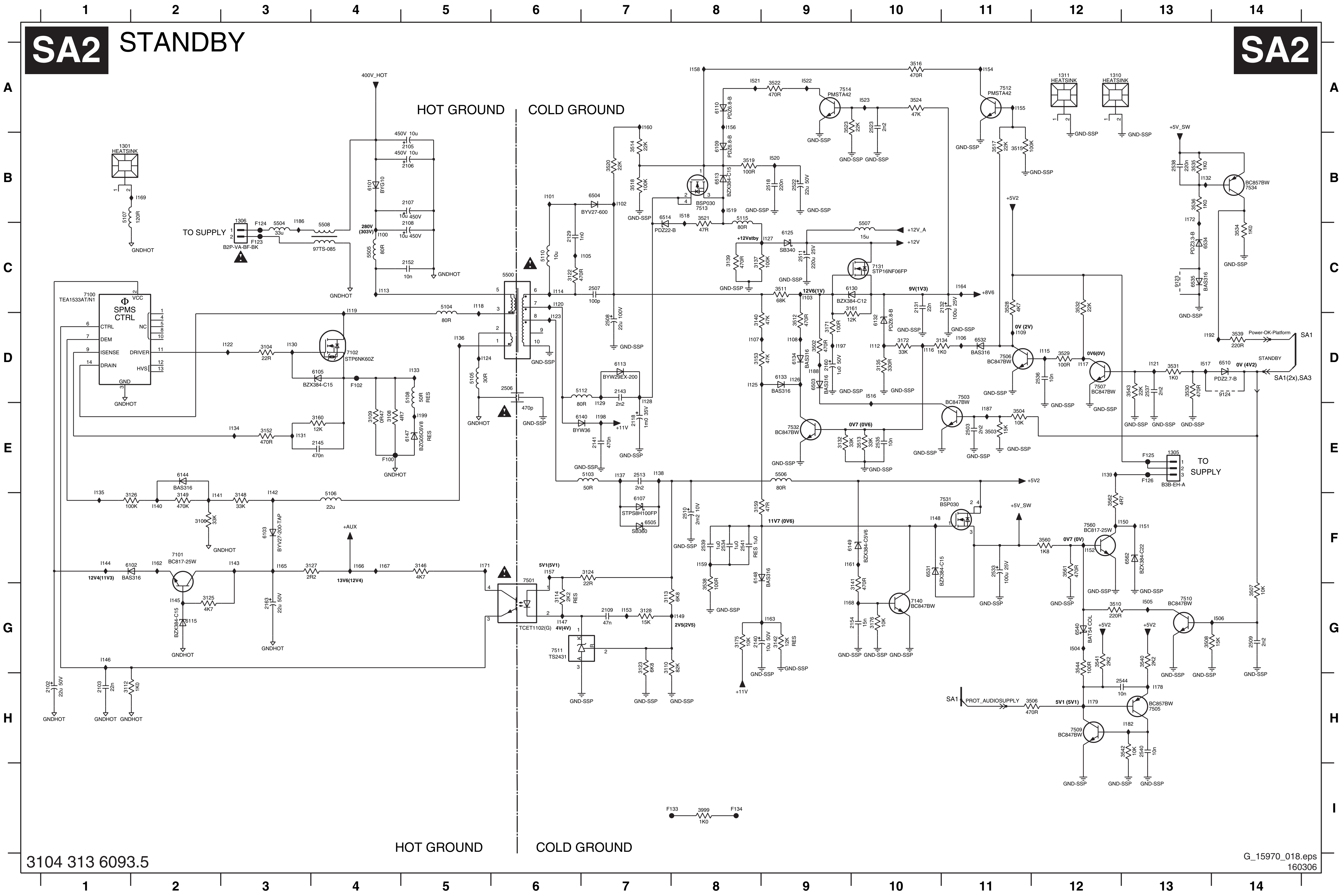
E_06532_012.eps
131004

## Standby & Audio Panel: Connections


SA1
CONNECTIONS
SA1
1 2 3 4 5 6 7 8 9
A B C D E F
TO DISPLAY
1318
B6B-PH-K
+5V_SW
+5V_SW
9008
9009 RES
F137
F138
9002 RES
9003 RES
GND-SSP
GND-SSP
GND-SSP
ON_OFF
SA1 (3x), SA3
DIM-CONTROL_PWM
SA1 (3x)
DIM-CONTROL_PWM
SA1 (3x)
Power-OK-Platform
SA2
ON_OFF
SA1 (3x), SA3
STANDBY
SA1, SA2, SA3
PROT_AUDIOSUPPLY
SA2
F111
F113
1M03
GND-SSP
TO SSB
B10P-PH-K-S
3V2(0V5)
F115
I104
+5V_SW
9039
F101
F121
0V(4V2)
F139
0V(0V)
F104
+5V2
1M64
F103
+12V_A
TO SUPPLY
GND-SSP
ON_OFF
DIM-CONTROL_PWM
SA1 (3x), SA3
SA1 (3x)
B9B-PH-K
+5V_SW
1M63
B2B-PH-K
GND-SSP
TO CARD READER
0001
GND screw
GND-SSP
9037
1M46
F131
+8V6
+12V
+5V_SW
+5V2
+12V
9030
F135
GND-SSP
9031
F136
9032
F109
9033
I111
GND-SSP
F132
I110
9034
F117
B11B-PH-K
TO SSB
9038
1J02
9035
9036
GND-SSP
SA1, SA2, SA3
SA1 (3x)
SA1 (3x), SA3
STANDBY
DIM-CONTROL_PWM
ON_OFF
B13B-PH-K-S(LF)(SN)
TO SSB
GND-SSP
3104 313 6093.5
G_15970_017.eps
160306

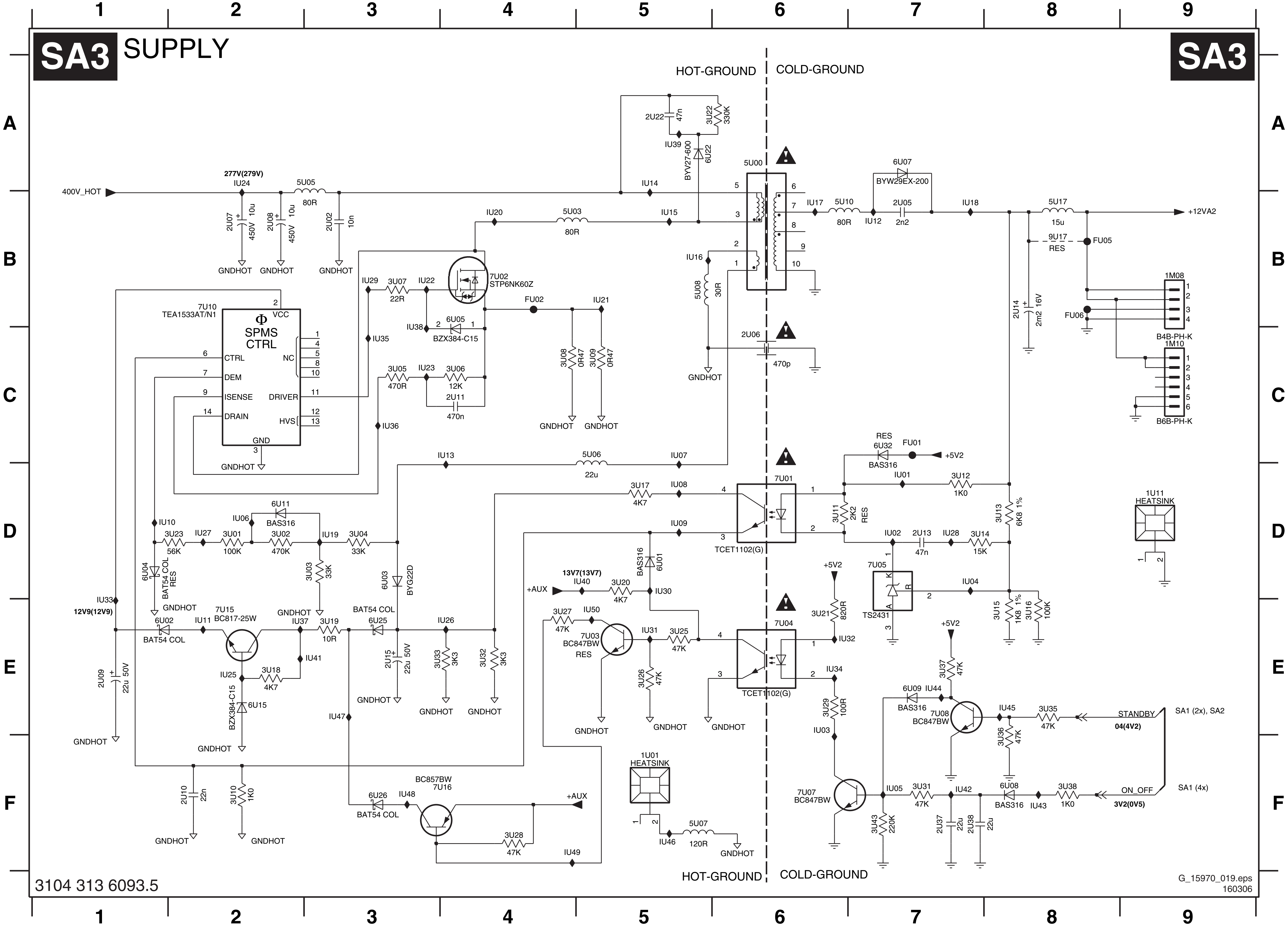
| | |
|---|---|
| 0001 | A8 |
| 1318 | B2 |
| 1J02 | E7 |
| 1M03 | B5 |
| 1M46 | D5 |
| 1M63 | B7 |
| 1M64 | C2 |
| 9002 | C2 |
| 9003 | C2 |
| 9008 | B2 |
| 9009 | B2 |
| 9030 | E4 |
| 9031 | E4 |
| 9032 | E4 |
| 9033 | E4 |
| 9034 | E4 |
| 9035 | E7 |
| 9036 | E7 |
| 9037 | D5 |
| 9038 | D7 |
| 9039 | C4 |
| F101 | C4 |
| F103 | C2 |
| F104 | D5 |
| F109 | E4 |
| F111 | B4 |
| F113 | B5 |
| F115 | C4 |
| F117 | E5 |
| F121 | C4 |
| F131 | D5 |
| F132 | E5 |
| F135 | E4 |
| F136 | E5 |
| F137 | B2 |
| F138 | B2 |
| F139 | C5 |
| I104 | C4 |
| I110 | E5 |
| I111 | E5 |

## Standby & Audio Panel: Standby


SA2
STANDBY
SA2
HOT GROUND
COLD GROUND
TO SUPPLY
TEA1533AT/N1
SPMS CTRL
STP6NK60Z
TCET1102(G)
TS2431
BSP030
PMSTA42
STP16NF06FP
BC847BW
BC857BW
BC817-25W
Power-OK-Platform
STANDBY
SA1(2x),SA3
PROT_AUDIOSUPPLY
+5V2
+8V6
+12V
+12V_A
+11V
+AUX
HOT GROUND
COLD GROUND
3104 313 6093.5
G_15970_018.eps
160306

| | |
|---|---|
| 1301 | B1 |
| 1305 | E13 |
| 1306 | B3 |
| 1310 | A12 |
| 1311 | A12 |
| 2102 | H1 |
| 2103 | H1 |
| 2105 | B5 |
| 2106 | B5 |
| 2107 | B5 |
| 2108 | B5 |
| 2109 | G7 |
| 2118 | E7 |
| 2129 | C6 |
| 2131 | C10 |
| 2132 | C11 |
| 2140 | G8 |
| 2141 | E7 |
| 2143 | D7 |
| 2145 | E4 |
| 2152 | C5 |
| 2154 | G10 |
| 2160 | D9 |
| 2163 | G3 |
| 2503 | E11 |
| 2506 | D6 |
| 2507 | C7 |
| 2508 | D7 |
| 2509 | G14 |
| 2510 | F8 |
| 2511 | C9 |
| 2513 | E7 |
| 2518 | B9 |
| 2522 | B9 |
| 2523 | A10 |
| 2533 | F11 |
| 2534 | F8 |
| 2535 | E10 |
| 2536 | D12 |
| 2537 | D13 |
| 2538 | B13 |
| 2539 | F8 |
| 2540 | H13 |
| 2541 | F8 |
| 2544 | H13 |
| 3104 | D3 |
| 3106 | F2 |
| 3108 | E4 |
| 3109 | E4 |
| 3110 | G7 |
| 3112 | H1 |
| 3113 | G7 |
| 3114 | G6 |
| 3122 | C6 |
| 3123 | G7 |
| 3124 | F7 |
| 3125 | G2 |
| 3126 | F2 |
| 3127 | F4 |
| 3128 | G7 |
| 3132 | E9 |
| 3134 | D11 |
| 3135 | D10 |
| 3137 | C8 |
| 3139 | C8 |
| 3140 | D8 |
| 3141 | G10 |
| 3142 | G9 |
| 3146 | F5 |
| 3148 | F3 |
| 3149 | F2 |
| 3152 | E3 |
| 3153 | D8 |
| 3159 | F8 |
| 3160 | E4 |
| 3161 | C10 |
| 3171 | D9 |
| 3172 | D10 |
| 3175 | G8 |
| 3176 | G10 |
| 3502 | D9 |
| 3503 | E11 |
| 3504 | E11 |
| 3506 | H12 |
| 3507 | G14 |
| 3508 | G13 |
| 3510 | G12 |
| 3511 | C9 |
| 3512 | D9 |
| 3513 | E10 |
| 3514 | B7 |
| 3515 | B11 |
| 3516 | A10 |
| 3517 | B11 |
| 3518 | B7 |
| 3519 | B8 |
| 3520 | B7 |
| 3521 | B8 |
| 3522 | A9 |
| 3523 | A9 |
| 3524 | A10 |
| 3528 | C11 |
| 3529 | D12 |
| 3530 | D13 |
| 3531 | D13 |
| 3532 | C12 |
| 3534 | C14 |
| 3535 | B13 |
| 3536 | B13 |
| 3538 | G8 |
| 3539 | D14 |
| 3540 | G13 |
| 3541 | G12 |
| 3542 | H13 |
| 3543 | D13 |
| 3544 | G12 |
| 3560 | F12 |
| 3561 | F12 |
| 3562 | F12 |
| 3999 | I8 |
| 5103 | E7 |
| 5104 | C5 |
| 5105 | D5 |
| 5106 | F4 |
| 5107 | B1 |
| 5108 | D5 |
| 5110 | C6 |
| 5112 | D7 |
| 5115 | B8 |
| 5500 | C6 |
| 5504 | C3 |
| 5505 | C4 |
| 5506 | E9 |
| 5507 | C10 |
| 5508 | C4 |
| 6101 | B4 |
| 6102 | F2 |
| 6103 | F3 |
| 6105 | D4 |
| 6107 | F7 |
| 6109 | B8 |
| 6110 | A8 |
| 6113 | D7 |
| 6115 | G2 |
| 6125 | C9 |
| 6130 | C10 |
| 6132 | D10 |
| 6133 | D9 |
| 6134 | D9 |
| 6140 | E7 |
| 6144 | E2 |
| 6147 | E5 |
| 6148 | F8 |
| 6149 | F9 |
| 6503 | D9 |
| 6504 | B7 |
| 6505 | F7 |
| 6510 | D14 |
| 6513 | B8 |
| 6514 | B7 |
| 6531 | F10 |
| 6532 | D11 |
| 6534 | C13 |
| 6535 | C13 |
| 6540 | G12 |
| 6562 | F13 |
| 7100 | C1 |
| 7101 | F2 |
| 7102 | D4 |
| 7131 | C10 |
| 7140 | G10 |
| 7501 | F6 |
| 7503 | D11 |
| 7505 | H13 |
| 7506 | D11 |
| 7507 | D12 |
| 7509 | H12 |
| 7510 | G13 |
| 7511 | G6 |
| 7512 | A11 |
| 7513 | B8 |
| 7514 | A9 |
| 7531 | F10 |
| 7532 | E9 |
| 7534 | B14 |
| 7560 | F12 |
| 9123 | C13 |
| 9124 | D14 |
| F100 | E4 |
| F102 | D4 |
| F123 | C3 |
| F124 | C3 |
| F125 | E13 |
| F126 | E13 |
| F133 | I8 |
| F134 | I8 |
| I100 | C4 |
| I101 | B6 |
| I102 | B7 |
| I103 | C9 |
| I105 | C7 |
| I106 | D11 |
| I107 | D8 |
| I108 | D9 |
| I109 | D11 |
| I112 | D10 |
| I113 | C4 |
| I114 | C6 |
| I115 | D12 |
| I116 | D10 |
| I117 | D12 |
| I118 | C5 |
| I119 | C4 |
| I120 | C6 |
| I121 | D13 |
| I122 | D3 |
| I123 | D6 |
| I124 | D5 |
| I125 | D8 |
| I126 | D9 |
| I127 | C9 |
| I128 | D7 |
| I129 | E7 |
| I130 | D3 |
| I131 | E3 |
| I132 | B13 |
| I133 | D5 |
| I134 | E3 |
| I135 | E1 |
| I136 | D5 |
| I137 | E7 |
| I138 | E7 |
| I139 | E12 |
| I140 | F2 |
| I141 | F2 |
| I142 | E3 |
| I143 | F3 |
| I144 | F1 |
| I145 | G2 |
| I146 | G1 |
| I147 | G6 |
| I148 | F10 |
| I149 | G8 |
| I150 | F13 |
| I151 | F13 |
| I152 | F12 |
| I153 | G7 |
| I154 | A11 |
| I155 | A11 |
| I156 | A8 |
| I157 | F6 |
| I158 | A8 |
| I159 | F8 |
| I160 | A7 |
| I161 | F9 |
| I162 | F2 |
| I163 | G9 |
| I164 | C11 |
| I165 | F3 |
| I166 | F4 |
| I167 | F4 |
| I168 | G9 |
| I169 | B2 |
| I171 | F5 |
| I172 | B13 |
| I178 | H13 |
| I179 | H12 |
| I182 | H13 |
| I186 | B3 |
| I187 | E11 |
| I188 | D9 |
| I192 | D13 |
| I197 | D9 |
| I198 | E7 |
| I199 | E5 |
| I504 | G12 |
| I505 | G13 |
| I506 | G14 |
| I516 | D10 |
| I517 | D13 |
| I518 | B8 |
| I519 | B8 |
| I520 | B9 |
| I521 | A8 |
| I522 | A9 |
| I523 | A10 |

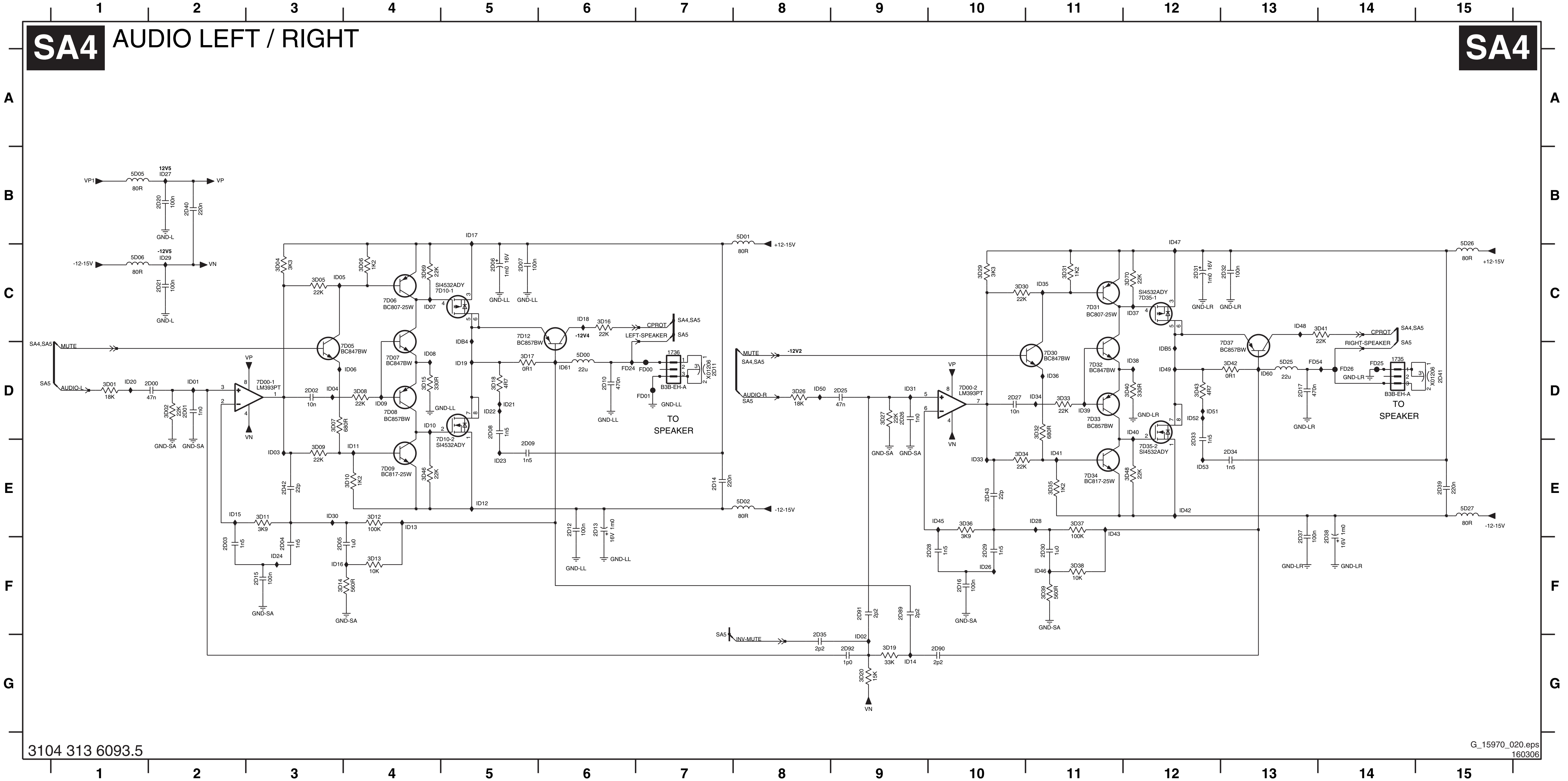
## Standby & Audio Panel: Supply


SA3 SUPPLY
SA3
HOT-GROUND
COLD-GROUND
400V_HOT
277V(279V)
IU24
5U05 80R
2U07 10u 450V
2U08 10u 450V
2U02 10n
GNDHOT
2U22 47n
3U22 330K
IU39
BYV27-600 6U22
IU14
IU15
IU20
5U03 80R
5U00
6U07 BYW29EX-200
IU17
5U10 80R
IU12
2U05 2n2
IU18
5U17 15u
+12VA2
9U17 RES
FU05
7U02 STP6NK60Z
IU29
3U07 22R
IU22
FU02
IU21
7U10 TEA1533AT/N1
SPMS CTRL
VCC
CTRL
DEM
ISENSE
DRAIN
NC
DRIVER
HVS
GND
IU38
6U05 BZX384-C15
IU35
3U05 470R
IU23
3U06 12K
2U11 470n
IU36
3U08 0R47
3U09 0R47
IU16
5U08 30R
2U06 470p
2U14 2m2 16V
FU06
1M08 B4B-PH-K
1M10 B6B-PH-K
IU13
5U06 22u
IU07
RES 6U32 BAS316
FU01
+5V2
IU01
3U12 1K0
3U17 4K7
IU08
7U01 TCET1102(G)
3U11 2K2 RES
3U13 6K8 1%
1U11 HEATSINK
IU10
IU27
IU06
6U11 BAS316
IU19
3U23 56K
3U01 100K
3U02 470K
3U04 33K
3U03 33K
6U03 BYG22D
6U04 BAT54 COL RES
IU09
BAS316 6U01
IU02
2U13 47n
IU28
3U14 15K
7U05 TS2431
IU04
3U15 1K8 1%
3U16 100K
IU33
12V9(12V9)
6U02 BAT54 COL
IU11
7U15 BC817-25W
IU37
3U19 10R
6U25 BAT54 COL
IU26
+AUX
13V7(13V7)
IU40
3U20 4K7
IU30
3U27 47K
IU50
7U03 BC847BW RES
IU31
3U25 47K
7U04 TCET1102(G)
3U21 820R
IU32
IU34
IU41
IU25
3U18 4K7
6U15 BZX384-C15
2U15 22u 50V
3U33 3K3
3U32 3K3
3U26 47K
3U37 47K
6U09 BAS316
IU44
7U08 BC847BW
IU45
3U35 47K
STANDBY
04(4V2)
SA1 (2x), SA2
3U36 47K
3U29 100R
IU03
2U09 22u 50V
IU47
1U01 HEATSINK
2U10 22n
3U10 1K0
BC857BW 7U16
6U26 BAT54 COL
IU48
3U28 47K
IU49
5U07 120R
IU46
7U07 BC847BW
IU05
3U31 47K
IU42
6U08 BAS316
IU43
3U38 1K0
ON_OFF
3V2(0V5)
SA1 (4x)
3U43 220K
2U37 22u
2U38 22u
3104 313 6093.5
G_15970_019.eps
160306

| | |
|---|---|
| 1M08 | B9 |
| 1M10 | C9 |
| 1U01 | F5 |
| 1U11 | D9 |
| 2U02 | B3 |
| 2U05 | B7 |
| 2U06 | C6 |
| 2U07 | B2 |
| 2U08 | B2 |
| 2U09 | E1 |
| 2U10 | F2 |
| 2U11 | C4 |
| 2U13 | D7 |
| 2U14 | B8 |
| 2U15 | E3 |
| 2U22 | A5 |
| 2U37 | F7 |
| 2U38 | F7 |
| 3U01 | D2 |
| 3U02 | D2 |
| 3U03 | D3 |
| 3U04 | D3 |
| 3U05 | C3 |
| 3U06 | C4 |
| 3U07 | B3 |
| 3U08 | C4 |
| 3U09 | C5 |
| 3U10 | F2 |
| 3U11 | D6 |
| 3U12 | D7 |
| 3U13 | D8 |
| 3U14 | D7 |
| 3U15 | E8 |
| 3U16 | E8 |
| 3U17 | D5 |
| 3U18 | E2 |
| 3U19 | E3 |
| 3U20 | D5 |
| 3U21 | E6 |
| 3U22 | A5 |
| 3U23 | D2 |
| 3U25 | E5 |
| 3U26 | E5 |
| 3U27 | E4 |
| 3U28 | F4 |
| 3U29 | E6 |
| 3U31 | F7 |
| 3U32 | E4 |
| 3U33 | E3 |
| 3U35 | E8 |
| 3U36 | F8 |
| 3U37 | E7 |
| 3U38 | F8 |
| 3U43 | F7 |
| 5U00 | A6 |
| 5U03 | B4 |
| 5U05 | A3 |
| 5U06 | C5 |
| 5U07 | F5 |
| 5U08 | B5 |
| 5U10 | B6 |
| 5U17 | B8 |
| 6U01 | D5 |
| 6U02 | E1 |
| 6U03 | D3 |
| 6U04 | D1 |
| 6U05 | B4 |
| 6U07 | A7 |
| 6U08 | F8 |
| 6U09 | E7 |
| 6U11 | D2 |
| 6U15 | E2 |
| 6U22 | A5 |
| 6U25 | E3 |
| 6U26 | F3 |
| 6U32 | C7 |
| 7U01 | D6 |
| 7U02 | B4 |
| 7U03 | E5 |
| 7U04 | E6 |
| 7U05 | D7 |
| 7U07 | F6 |
| 7U08 | E7 |
| 7U10 | B2 |
| 7U15 | E2 |
| 7U16 | F4 |
| 9U17 | B8 |
| FU01 | C7 |
| FU02 | B4 |
| FU05 | B8 |
| FU06 | B8 |
| IU01 | D7 |
| IU02 | D7 |
| IU03 | E6 |
| IU04 | D7 |
| IU05 | F7 |
| IU06 | D2 |
| IU07 | C5 |
| IU08 | D5 |
| IU09 | D5 |
| IU10 | D1 |
| IU11 | E2 |
| IU12 | B7 |
| IU13 | C4 |
| IU14 | A5 |
| IU15 | B5 |
| IU16 | B5 |
| IU17 | B6 |
| IU18 | B7 |
| IU19 | D3 |
| IU20 | B4 |
| IU21 | B5 |
| IU22 | B3 |
| IU23 | C3 |
| IU24 | A2 |
| IU25 | E2 |
| IU26 | E4 |
| IU27 | D2 |
| IU28 | D7 |
| IU29 | B3 |
| IU30 | D5 |
| IU31 | E5 |
| IU32 | E6 |
| IU33 | E1 |
| IU34 | E6 |
| IU35 | C3 |
| IU36 | C3 |
| IU37 | E2 |
| IU38 | B3 |
| IU39 | A5 |
| IU40 | D5 |
| IU41 | E3 |
| IU42 | F7 |
| IU43 | F8 |
| IU44 | E7 |
| IU45 | E8 |
| IU46 | F5 |
| IU47 | E3 |
| IU48 | F3 |
| IU49 | F4 |
| IU50 | E5 |

## Standby & Audio Panel: Audio Left / Right

| | |
|---|---|
| 1735 | D14 |
| 1736 | D7 |
| 2D00 | D2 |
| 2D01 | D2 |
| 2D02 | D3 |
| 2D03 | F2 |
| 2D04 | F3 |
| 2D05 | F3 |
| 2D06 | C5 |
| 2D07 | C5 |
| 2D08 | D5 |
| 2D09 | E5 |
| 2D10 | D6 |
| 2D11 | D7 |
| 2D12 | E6 |
| 2D13 | E6 |
| 2D14 | E7 |
| 2D15 | F3 |
| 2D16 | F10 |
| 2D17 | D13 |
| 2D20 | B2 |
| 2D21 | C2 |
| 2D25 | D9 |
| 2D26 | D9 |
| 2D27 | D10 |
| 2D28 | F9 |
| 2D29 | F10 |
| 2D30 | F11 |
| 2D31 | C12 |
| 2D32 | C13 |
| 2D33 | D12 |
| 2D34 | E13 |
| 2D35 | G8 |
| 2D37 | E13 |
| 2D38 | E14 |
| 2D39 | E15 |
| 2D40 | B2 |
| 2D41 | D15 |
| 2D42 | E3 |
| 2D43 | E10 |
| 2D89 | F9 |
| 2D90 | G10 |
| 2D91 | F9 |
| 2D92 | G9 |
| 3D01 | D1 |
| 3D02 | D2 |
| 3D04 | C3 |
| 3D05 | C3 |
| 3D06 | C4 |
| 3D07 | D3 |
| 3D08 | D4 |
| 3D09 | E3 |
| 3D10 | E4 |
| 3D11 | E3 |
| 3D12 | E4 |
| 3D13 | F4 |
| 3D14 | F3 |
| 3D15 | D4 |
| 3D16 | C6 |
| 3D17 | D5 |
| 3D18 | D5 |
| 3D19 | G9 |
| 3D20 | G9 |
| 3D26 | D8 |
| 3D27 | D9 |
| 3D29 | C10 |
| 3D30 | C10 |
| 3D31 | C11 |
| 3D32 | D11 |
| 3D33 | D11 |
| 3D34 | E10 |
| 3D35 | E11 |
| 3D36 | E10 |
| 3D37 | E11 |
| 3D38 | F11 |
| 3D39 | F11 |
| 3D40 | D12 |
| 3D41 | C14 |
| 3D42 | D13 |
| 3D43 | D12 |
| 3D46 | E4 |
| 3D48 | E12 |
| 3D69 | C4 |
| 3D70 | C12 |
| 5D00 | D6 |
| 5D01 | B8 |
| 5D02 | E8 |
| 5D05 | B1 |
| 5D06 | C1 |
| 5D25 | D13 |
| 5D26 | C15 |
| 5D27 | E15 |
| 7D00-1 | D3 |
| 7D00-2 | D10 |
| 7D05 | D3 |
| 7D06 | C4 |
| 7D07 | D4 |
| 7D08 | D4 |
| 7D09 | E4 |
| 7D10-1 | C4 |
| 7D10-2 | E4 |
| 7D12 | C5 |
| 7D30 | D11 |
| 7D31 | C11 |
| 7D32 | D11 |
| 7D33 | D11 |
| 7D34 | E11 |
| 7D35-1 | C12 |
| 7D35-2 | E12 |
| 7D37 | C12 |
| FD00 | D7 |
| FD01 | D7 |
| FD24 | D6 |
| FD25 | D14 |
| FD26 | D14 |
| FD54 | D13 |
| ID01 | D2 |
| ID02 | G9 |
| ID03 | E3 |
| ID04 | D3 |
| ID05 | C3 |
| ID06 | D4 |
| ID07 | C4 |
| ID08 | D4 |
| ID09 | D4 |
| ID10 | D4 |
| ID11 | E4 |
| ID12 | E5 |
| ID13 | E4 |
| ID14 | G9 |
| ID15 | E2 |
| ID16 | F3 |
| ID17 | B5 |
| ID18 | C6 |
| ID19 | D5 |
| ID20 | D1 |
| ID21 | D5 |
| ID22 | D5 |
| ID23 | E5 |
| ID24 | F3 |
| ID26 | F10 |
| ID27 | B2 |
| ID28 | E11 |
| ID29 | C2 |
| ID30 | E3 |
| ID31 | D9 |
| ID33 | E10 |
| ID34 | D11 |
| ID35 | C11 |
| ID36 | D11 |
| ID37 | C12 |
| ID38 | D12 |
| ID39 | D11 |
| ID40 | D12 |
| ID41 | E11 |
| ID42 | E12 |
| ID43 | E11 |
| ID45 | E10 |
| ID46 | F11 |
| ID47 | B12 |
| ID48 | C13 |
| ID49 | D12 |
| ID50 | D8 |
| ID51 | D12 |
| ID52 | D12 |
| ID53 | E12 |
| ID60 | D13 |
| ID61 | D6 |
| IDB4 | C5 |
| IDB5 | D12 |



SA4
AUDIO LEFT / RIGHT
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G
VP1
5D05 80R
12V5 ID27
VP
2D20 100n
2D40 220n
GND-L
-12-15V
5D06 80R
-12V5 ID29
VN
2D21 100n
SA4,SA5
MUTE
SA5
AUDIO-L
3D01 18K
ID20
2D00 47n
ID01
3D02 22K
2D01 1n0
GND-SA
VP
7D00-1 LM393PT
VN
3D04 3K3
3D05 22K
ID05
3D06 1K2
7D05 BC847BW
ID06
2D02 10n
ID04
3D08 22K
ID09
3D07 680R
7D06 BC807-25W
ID07
7D07 BC847BW
ID08
3D15 330R
GND-LL
7D08 BC857BW
ID10
3D69 22K
SI4532ADY 7D10-1
7D10-2 SI4532ADY
ID17
2D06 1m0 16V
2D07 100n
GND-LL
IDB4
ID19
3D18 4R7
ID21
ID22
2D08 1n5
ID23
2D09 1n5
3D17 0R1
7D12 BC857BW
ID18
3D16 22K
-12V4
CPROT
LEFT-SPEAKER
SA4,SA5
SA5
5D00 22u
ID61
FD24
FD00
1736
B3B-EH-A
XD1206 2D11
FD01
GND-LL
2D10 470n
TO SPEAKER
5D01 80R
+12-15V
ID03
3D09 22K
ID11
3D10 1K2
7D09 BC817-25W
3D46 22K
2D42 22p
ID12
2D14 220n
5D02 80R
-12-15V
ID15
3D11 3K9
ID30
3D12 100K
ID13
2D03 1n5
2D04 1n5
ID24
2D05 1u0
ID16
3D13 10K
3D14 560R
2D15 100n
2D12 100n
2D13 16V 1m0
MUTE
-12V2
SA4,SA5
AUDIO-R
SA5
3D26 18K
ID50
2D25 47n
ID31
3D27 22K
2D26 1n0
7D00-2 LM393PT
3D29 3K3
3D30 22K
ID35
3D31 1K2
7D30 BC847BW
ID36
2D27 10n
ID34
3D33 22K
ID39
3D32 680R
7D31 BC807-25W
7D32 BC847BW
ID38
3D40 330R
GND-LR
7D33 BC857BW
ID40
3D70 22K
SI4532ADY 7D35-1
ID37
7D35-2 SI4532ADY
ID47
2D31 1m0 16V
2D32 100n
IDB5
ID49
3D43 4R7
ID51
ID52
2D33 1n5
ID53
2D34 1n5
3D42 0R1
7D37 BC857BW
ID48
3D41 22K
CPROT
RIGHT-SPEAKER
SA4,SA5
SA5
5D25 22u
ID60
FD54
FD26
FD25
1735
B3B-EH-A
XD1206 2D41
2D17 470n
TO SPEAKER
5D26 80R
+12-15V
ID33
3D34 22K
ID41
3D35 1K2
7D34 BC817-25W
3D48 22K
2D43 22p
ID42
2D39 220n
5D27 80R
-12-15V
ID45
3D36 3K9
ID28
3D37 100K
ID43
2D28 1n5
2D29 1n5
ID26
2D30 1u0
ID46
3D38 10K
3D39 560R
2D16 100n
2D37 100n
2D38 16V 1m0
GND-LR
2D91 2p2
2D89 2p2
SA5
INV-MUTE
2D35 2p2
ID02
2D92 1p0
3D19 33K
ID14
2D90 2p2
3D20 15K
VN

3104 313 6093.5

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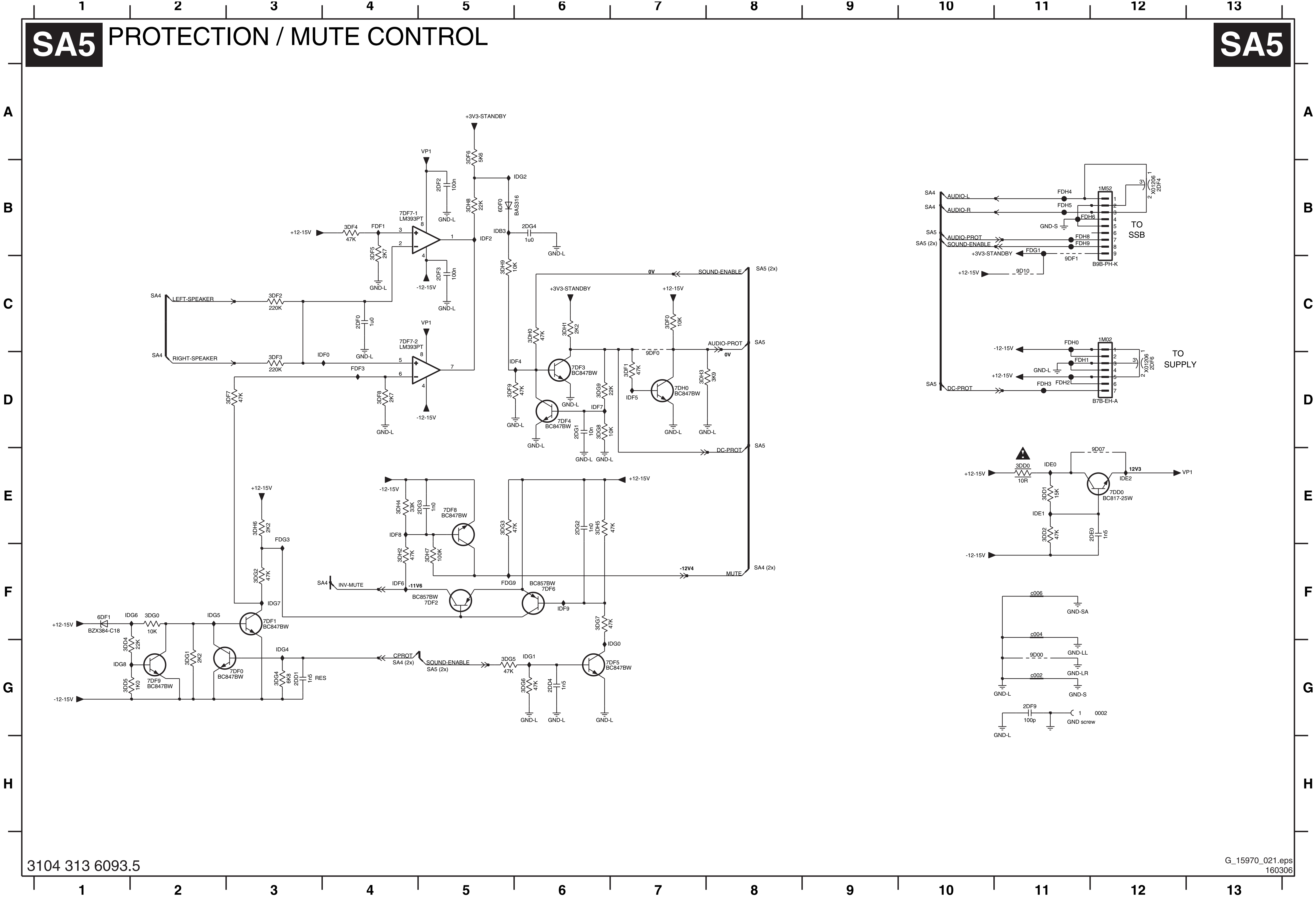
## Standby & Audio Panel: Prot. / Mute


SA5
PROTECTION / MUTE CONTROL
SA5
1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G H
+3V3-STANDBY
3DF6 5K6
IDG2
VP1
2DF2 100n
GND-L
3DH8 22K
6DF0 BAS316
7DF7-1 LM393PT
+12-15V
3DF4 47K
FDF1
IDF2
IDB3
2DG4 1u0
3DF5 2K7
-12-15V
2DF3 100n
3DH9 10K
0V
SOUND-ENABLE
SA5 (2x)
SA4
LEFT-SPEAKER
3DF2 220K
2DF0 1u0
7DF7-2 LM393PT
RIGHT-SPEAKER
3DF3 220K
IDF0
FDF3
3DF7 47K
3DF8 2K7
3DH0 47K
3DH1 2K2
3DF0 10K
9DF0
AUDIO-PROT
IDF4
7DF3 BC847BW
3DF9 47K
3DG9 22K
3DF1 47K
IDF5
7DH0 BC847BW
3DH3 3K9
7DF4 BC847BW
IDF7
2DG1 10n
3DG8 10K
DC-PROT
3DH4 33K
2DG3 1n0
7DF8 BC847BW
3DG3 47K
2DG2 1n0
3DH5 47K
3DH6 2K2
FDG3
IDF8
3DH2 47K
3DH7 100K
-12V4
MUTE
SA4 (2x)
3DG2 47K
INV-MUTE
IDF6
-11V6
BC857BW 7DF2
FDG9
BC857BW 7DF6
IDF9
IDG7
6DF1 BZX384-C18
IDG6
3DG0 10K
IDG5
7DF1 BC847BW
3DG7 47K
IDG0
3DD4 22K
IDG8
7DF9 BC847BW
3DD5 1K0
3DG1 2K2
7DF0 BC847BW
IDG4
3DG4 6K8
2DD1 1n5
RES
CPROT SA4 (2x)
SOUND-ENABLE SA5 (2x)
3DG5 47K
IDG1
3DG6 47K
2DD4 1n5
7DF5 BC847BW
AUDIO-L
AUDIO-R
AUDIO-PROT
SOUND-ENABLE
FDH4
FDH5
FDH6
FDH8
FDH9
FDG1
9DF1
1M52
B9B-PH-K
2DF4
TO SSB
GND-S
9D10
FDH0
FDH1
FDH2
FDH3
1M02
B7B-EH-A
2DF6
TO SUPPLY
9D07
3DD0 10R
IDE0
7DD0 BC817-25W
12V3
IDE2
3DD1 15K
IDE1
3DD2 47K
2DE0 1n5
c006
GND-SA
c004
GND-LL
9D00
GND-LR
c002
2DF9 100p
0002
GND screw
3104 313 6093.5
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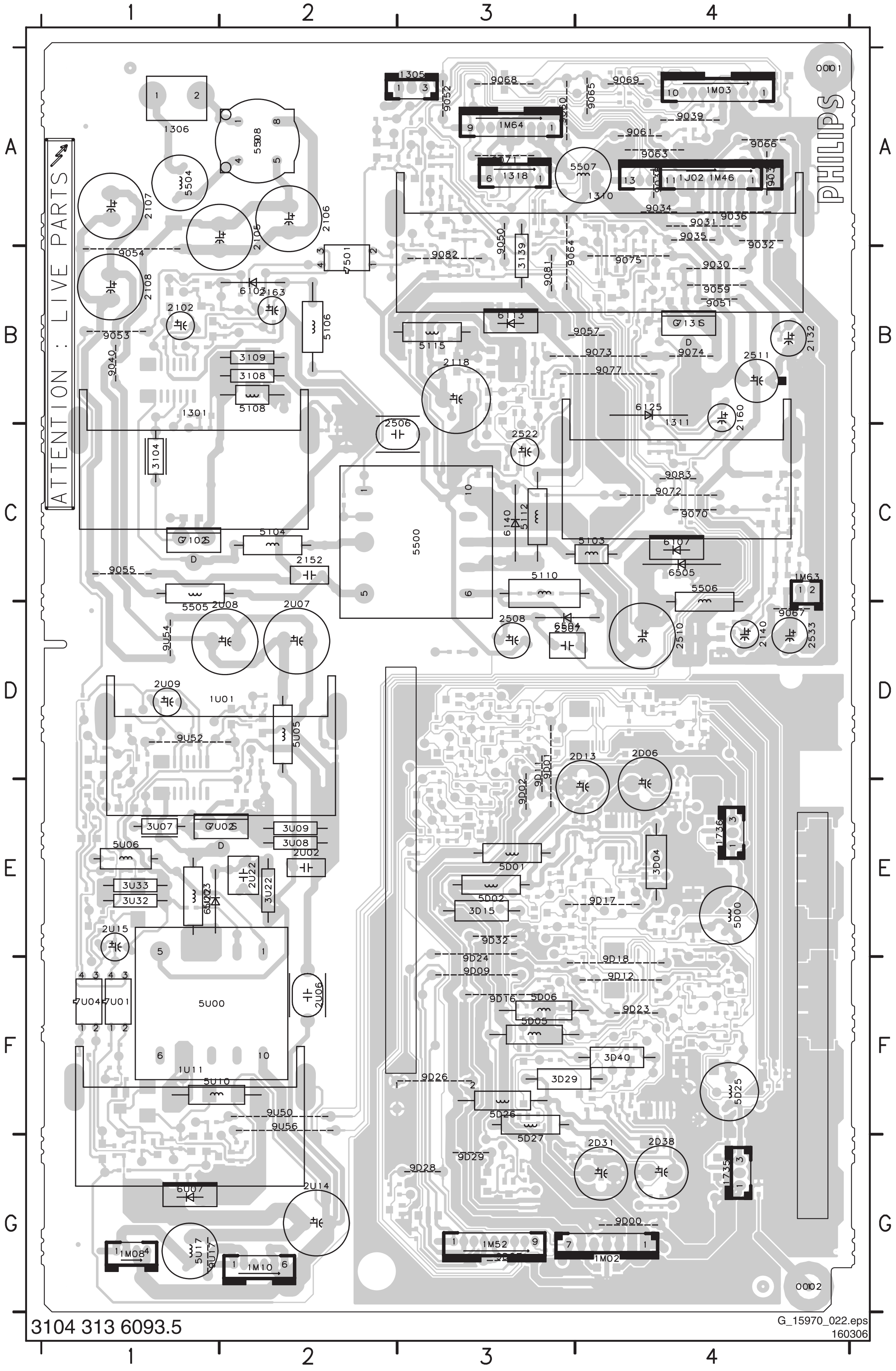
| | |
|---|---|
| 0002 | G12 |
| 1M02 | C12 |
| 1M52 | B12 |
| 2DD1 | G3 |
| 2DD4 | G6 |
| 2DE0 | E12 |
| 2DF0 | C4 |
| 2DF2 | B5 |
| 2DF3 | C5 |
| 2DF4 | B12 |
| 2DF6 | D12 |
| 2DF9 | G11 |
| 2DG1 | D6 |
| 2DG2 | E6 |
| 2DG3 | E5 |
| 2DG4 | B6 |
| 3DD0 | E11 |
| 3DD1 | E11 |
| 3DD2 | E11 |
| 3DD4 | G1 |
| 3DD5 | G1 |
| 3DF0 | C7 |
| 3DF1 | D7 |
| 3DF2 | C3 |
| 3DF3 | D3 |
| 3DF4 | B4 |
| 3DF5 | B4 |
| 3DF6 | A5 |
| 3DF7 | D3 |
| 3DF8 | D4 |
| 3DF9 | D5 |
| 3DG0 | F2 |
| 3DG1 | G2 |
| 3DG2 | F3 |
| 3DG3 | E5 |
| 3DG4 | G3 |
| 3DG5 | G5 |
| 3DG6 | G6 |
| 3DG7 | F6 |
| 3DG8 | D6 |
| 3DG9 | D6 |
| 3DH0 | C6 |
| 3DH1 | C6 |
| 3DH2 | F4 |
| 3DH3 | D7 |
| 3DH4 | E4 |
| 3DH5 | E6 |
| 3DH6 | E3 |
| 3DH7 | F5 |
| 3DH8 | B5 |
| 3DH9 | C5 |
| 6DF0 | B5 |
| 6DF1 | F1 |
| 7DD0 | E12 |
| 7DF0 | G3 |
| 7DF1 | F3 |
| 7DF2 | F5 |
| 7DF3 | D6 |
| 7DF4 | D6 |
| 7DF5 | G6 |
| 7DF6 | F6 |
| 7DF7-1 | B4 |
| 7DF7-2 | C4 |
| 7DF8 | E5 |
| 7DF9 | G2 |
| 7DH0 | D7 |
| 9D00 | G11 |
| 9D07 | E12 |
| 9D10 | C11 |
| 9DF0 | C7 |
| 9DF1 | C11 |
| FDF1 | B4 |
| FDF3 | D4 |
| FDG1 | B11 |
| FDG3 | E3 |
| FDG9 | F5 |
| FDH0 | C11 |
| FDH1 | D11 |
| FDH2 | D11 |
| FDH3 | D11 |
| FDH4 | B11 |
| FDH5 | B11 |
| FDH6 | B11 |
| FDH8 | B11 |
| FDH9 | B11 |
| IDB3 | B5 |
| IDE0 | E11 |
| IDE1 | E11 |
| IDE2 | E12 |
| IDF0 | D4 |
| IDF2 | B5 |
| IDF4 | D6 |
| IDF5 | D7 |
| IDF6 | F4 |
| IDF7 | D6 |
| IDF8 | E4 |
| IDF9 | F6 |
| IDG0 | G7 |
| IDG1 | G6 |
| IDG2 | B6 |
| IDG4 | G3 |
| IDG5 | F2 |
| IDG6 | F2 |
| IDG7 | F3 |
| IDG8 | G1 |
| c002 | G11 |
| c004 | F11 |
| c006 | F11 |

## Layout Standby & Audio Panel (Top Side)

| | |
|---|---|
| 0001 | A4 |
| 0002 | G4 |
| 1301 | B1 |
| 1305 | A3 |
| 1306 | A1 |
| 1310 | A3 |
| 1311 | C4 |
| 1318 | A3 |
| 1735 | G4 |
| 1736 | E4 |
| 1J02 | A4 |
| 1M02 | G4 |
| 1M03 | A4 |
| 1M08 | G1 |
| 1M10 | G2 |
| 1M46 | A4 |
| 1M52 | G3 |
| 1M63 | C4 |
| 1M64 | A3 |
| 1U01 | D2 |
| 1U11 | G2 |
| 2102 | B1 |
| 2105 | B1 |
| 2106 | A2 |
| 2107 | A1 |
| 2108 | B1 |
| 2118 | B3 |
| 2132 | B4 |
| 2140 | D4 |
| 2152 | C2 |
| 2160 | B4 |
| 2163 | B2 |
| 2506 | C2 |
| 2507 | D3 |
| 2508 | D3 |
| 2510 | C4 |
| 2511 | B4 |
| 2522 | C3 |
| 2533 | D4 |
| 2D06 | D4 |
| 2D13 | D4 |
| 2D31 | G4 |
| 2D38 | G4 |
| 2U02 | E2 |
| 2U06 | E2 |
| 2U07 | D2 |
| 2U08 | D2 |
| 2U09 | D1 |
| 2U14 | G2 |
| 2U15 | E1 |
| 2U22 | E2 |
| 3104 | B1 |
| 3108 | B2 |
| 3109 | B2 |
| 3139 | A3 |
| 3D04 | E4 |
| 3D15 | E3 |
| 3D29 | F3 |
| 3D40 | F4 |
| 3U07 | E1 |
| 3U08 | E2 |
| 3U09 | E2 |
| 3U22 | E2 |
| 3U32 | E1 |
| 3U33 | E1 |
| 5103 | C4 |
| 5104 | C2 |
| 5106 | B2 |
| 5108 | B2 |
| 5110 | C3 |
| 5112 | C3 |
| 5115 | B3 |
| 5500 | C3 |
| 5504 | A1 |
| 5505 | D1 |
| 5506 | C4 |
| 5507 | A4 |
| 5508 | A1 |
| 5D00 | E4 |
| 5D01 | E3 |
| 5D02 | E3 |
| 5D05 | F3 |
| 5D06 | F3 |
| 5D25 | F4 |
| 5D26 | F3 |
| 5D27 | G3 |
| 5U00 | F1 |
| 5U03 | E1 |
| 5U05 | D2 |
| 5U06 | E1 |
| 5U10 | F2 |
| 5U17 | G1 |
| 6103 | B2 |
| 6107 | C4 |
| 6113 | B3 |
| 6125 | B4 |
| 6140 | C3 |
| 6504 | D3 |
| 6505 | C4 |
| 6U07 | G1 |
| 6U22 | E2 |
| 7102 | C1 |
| 7131 | B4 |
| 7501 | B2 |
| 7U01 | F1 |
| 7U02 | E1 |
| 7U04 | F1 |
| 9030 | B4 |
| 9031 | A4 |
| 9032 | A4 |
| 9033 | A4 |
| 9034 | A4 |
| 9035 | B4 |
| 9036 | A4 |
| 9037 | A4 |
| 9038 | A4 |
| 9039 | A4 |
| 9040 | B1 |
| 9050 | A3 |
| 9051 | B4 |
| 9052 | A3 |
| 9053 | B1 |
| 9054 | A1 |
| 9055 | C1 |
| 9057 | B4 |
| 9059 | B4 |
| 9060 | A4 |
| 9061 | A4 |
| 9063 | A4 |
| 9064 | A4 |
| 9065 | A4 |
| 9066 | A4 |
| 9067 | C4 |
| 9068 | A3 |
| 9069 | A4 |
| 9070 | C4 |
| 9071 | A3 |
| 9072 | C4 |
| 9073 | B4 |
| 9074 | B4 |
| 9075 | B4 |
| 9077 | B4 |
| 9081 | A3 |
| 9082 | A3 |
| 9083 | C4 |
| 9D00 | G4 |
| 9D01 | D3 |
| 9D02 | D3 |
| 9D09 | F3 |
| 9D11 | D3 |
| 9D12 | F4 |
| 9D16 | F3 |
| 9D17 | E4 |
| 9D18 | E4 |
| 9D23 | F4 |
| 9D24 | F3 |
| 9D26 | F3 |
| 9D27 | G3 |
| 9D28 | G3 |
| 9D29 | G3 |
| 9D32 | E3 |
| 9U17 | G2 |
| 9U50 | F2 |
| 9U52 | D1 |
| 9U54 | D1 |
| 9U56 | G2 |



## Layout Standby & Audio Panel (Overview Bottom Side)

| | |
|---|---|
| 2103 | B4 |
| 2109 | A2 |
| 2129 | C2 |
| 2131 | B1 |
| 2141 | C2 |
| 2143 | B2 |
| 2145 | B4 |
| 2154 | C1 |
| 2503 | C1 |
| 2509 | A2 |
| 2513 | C1 |
| 2518 | C2 |
| 2523 | B2 |
| 2534 | C1 |
| 2535 | A1 |
| 2536 | A2 |
| 2537 | A2 |
| 2538 | A1 |
| 2539 | C1 |
| 2540 | A2 |
| 2541 | C1 |
| 2544 | A2 |
| 2D00 | F2 |
| 2D01 | F2 |
| 2D02 | E1 |
| 2D03 | F1 |
| 2D04 | F1 |
| 2D05 | E2 |
| 2D07 | E1 |
| 2D08 | E1 |
| 2D09 | E1 |
| 2D10 | E1 |
| 2D11 | E1 |
| 2D12 | E1 |
| 2D14 | E1 |
| 2D15 | F1 |
| 2D16 | F1 |
| 2D17 | G1 |
| 2D20 | F2 |
| 2D21 | F2 |
| 2D25 | E1 |
| 2D26 | F1 |
| 2D27 | F1 |
| 2D28 | F1 |
| 2D29 | F1 |
| 2D30 | F1 |
| 2D32 | G2 |
| 2D33 | G1 |
| 2D34 | G1 |
| 2D35 | F1 |
| 2D37 | G1 |
| 2D39 | F1 |
| 2D40 | F1 |
| 2D41 | G1 |
| 2D42 | E1 |
| 2D43 | F1 |
| 2D89 | E1 |
| 2D90 | F1 |
| 2D91 | F1 |
| 2D92 | F1 |
| 2DD1 | D1 |
| 2DD4 | E2 |
| 2DE0 | G2 |
| 2DF0 | D1 |
| 2DF2 | D1 |
| 2DF3 | D2 |
| 2DF4 | G2 |
| 2DF6 | G1 |
| 2DF9 | G1 |
| 2DG1 | E2 |
| 2DG2 | D2 |
| 2DG3 | D2 |
| 2DG4 | E2 |
| 2U05 | G4 |
| 2U10 | D4 |
| 2U11 | D3 |
| 2U13 | F4 |
| 2U37 | F3 |
| 2U38 | F4 |
| 3106 | B3 |
| 3110 | B2 |
| 3112 | B4 |
| 3113 | B2 |
| 3114 | B3 |
| 3122 | C2 |
| 3123 | B2 |
| 3124 | B2 |
| 3125 | B4 |
| 3126 | B4 |
| 3127 | B3 |
| 3128 | A2 |
| 3132 | B1 |
| 3134 | A1 |
| 3135 | B1 |
| 3137 | B2 |
| 3140 | B1 |
| 3141 | C1 |
| 3142 | D1 |
| 3146 | B3 |
| 3148 | B3 |
| 3149 | B3 |
| 3152 | B4 |
| 3153 | B1 |
| 3159 | C1 |
| 3160 | C4 |
| 3161 | B1 |
| 3171 | B1 |
| 3172 | A1 |
| 3175 | C2 |
| 3176 | C1 |
| 3502 | B1 |
| 3503 | C1 |
| 3504 | C1 |
| 3506 | A2 |
| 3507 | A2 |
| 3508 | A2 |
| 3510 | A2 |
| 3511 | B1 |
| 3512 | B1 |
| 3513 | B1 |
| 3514 | B2 |
| 3515 | C2 |
| 3516 | B2 |
| 3517 | C2 |
| 3518 | B2 |
| 3519 | B2 |
| 3520 | B2 |
| 3521 | B2 |
| 3522 | C2 |
| 3523 | B2 |
| 3524 | B2 |
| 3528 | A1 |
| 3529 | A2 |
| 3530 | A1 |
| 3531 | A1 |
| 3532 | A2 |
| 3534 | A1 |
| 3535 | A1 |
| 3536 | A1 |
| 3538 | C1 |
| 3539 | A1 |
| 3540 | A2 |
| 3541 | A2 |
| 3542 | A2 |
| 3543 | A2 |
| 3544 | A2 |
| 3560 | A2 |
| 3561 | A3 |
| 3562 | A3 |
| 3999 | D2 |
| 3D01 | F2 |
| 3D02 | F2 |
| 3D05 | E2 |
| 3D06 | E1 |
| 3D07 | E2 |
| 3D08 | E1 |
| 3D09 | E2 |
| 3D10 | E2 |
| 3D11 | E2 |
| 3D12 | E1 |
| 3D13 | E1 |
| 3D14 | E2 |
| 3D16 | E1 |
| 3D17 | E1 |
| 3D18 | E1 |
| 3D19 | F1 |
| 3D20 | F1 |
| 3D26 | E1 |
| 3D27 | F1 |
| 3D30 | F2 |
| 3D31 | F2 |
| 3D32 | F2 |
| 3D33 | F1 |
| 3D34 | F1 |
| 3D35 | F1 |
| 3D36 | F1 |
| 3D37 | F1 |
| 3D38 | F1 |
| 3D39 | F1 |
| 3D41 | F1 |
| 3D42 | F1 |
| 3D43 | G1 |
| 3D46 | E1 |
| 3D48 | F1 |
| 3D69 | E1 |
| 3D70 | F1 |
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| 3DF0 | G2 |
| 3DF1 | G3 |
| 3DF2 | D1 |
| 3DF3 | D1 |
| 3DF4 | D2 |
| 3DF5 | D2 |
| 3DF6 | D2 |
| 3DF7 | D1 |
| 3DF8 | D1 |
| 3DF9 | E2 |
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| 3DG2 | D2 |
| 3DG3 | D2 |
| 3DG4 | D1 |
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| 3DG6 | E2 |
| 3DG7 | E2 |
| 3DG8 | E2 |
| 3DG9 | E2 |
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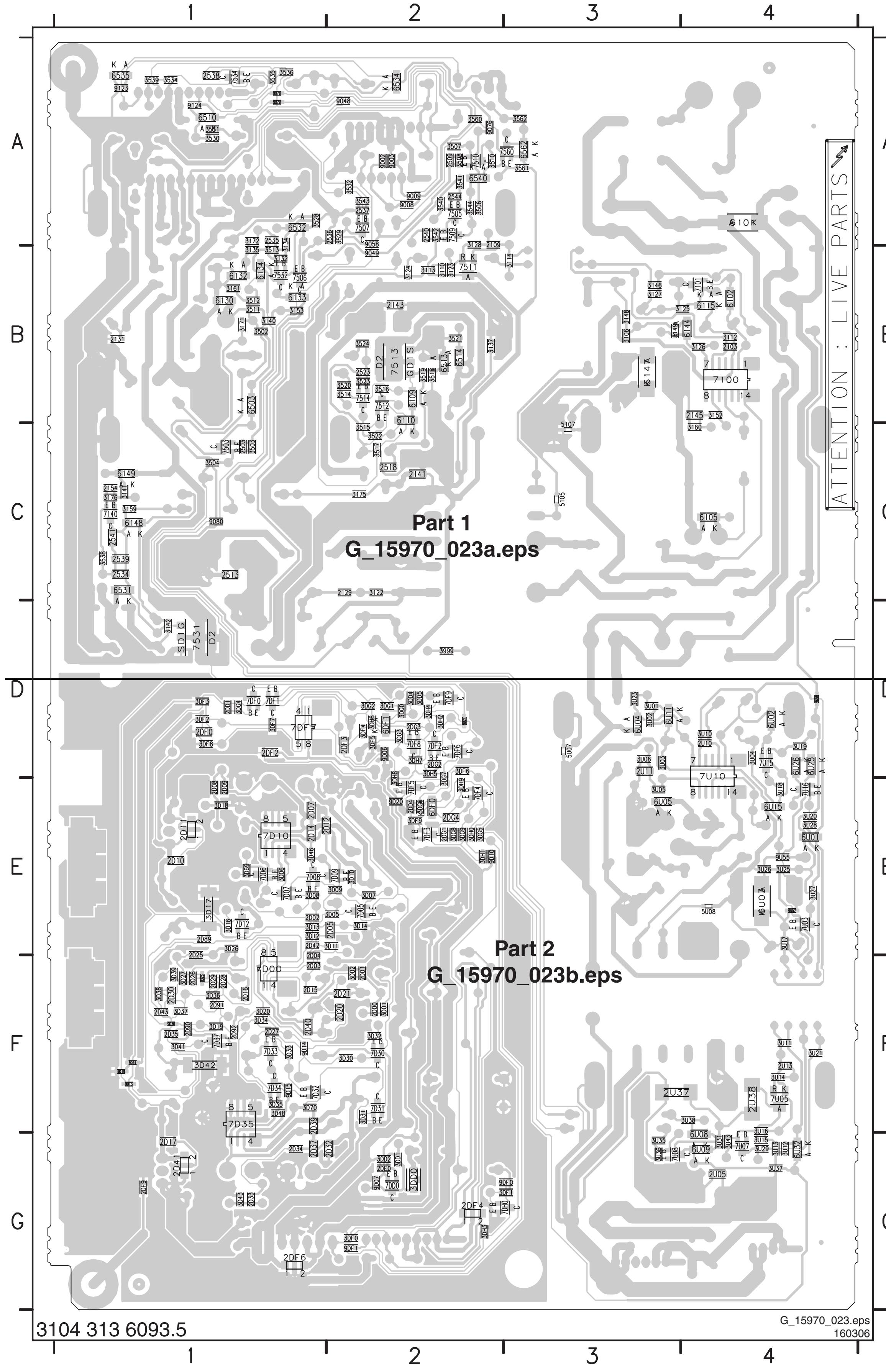
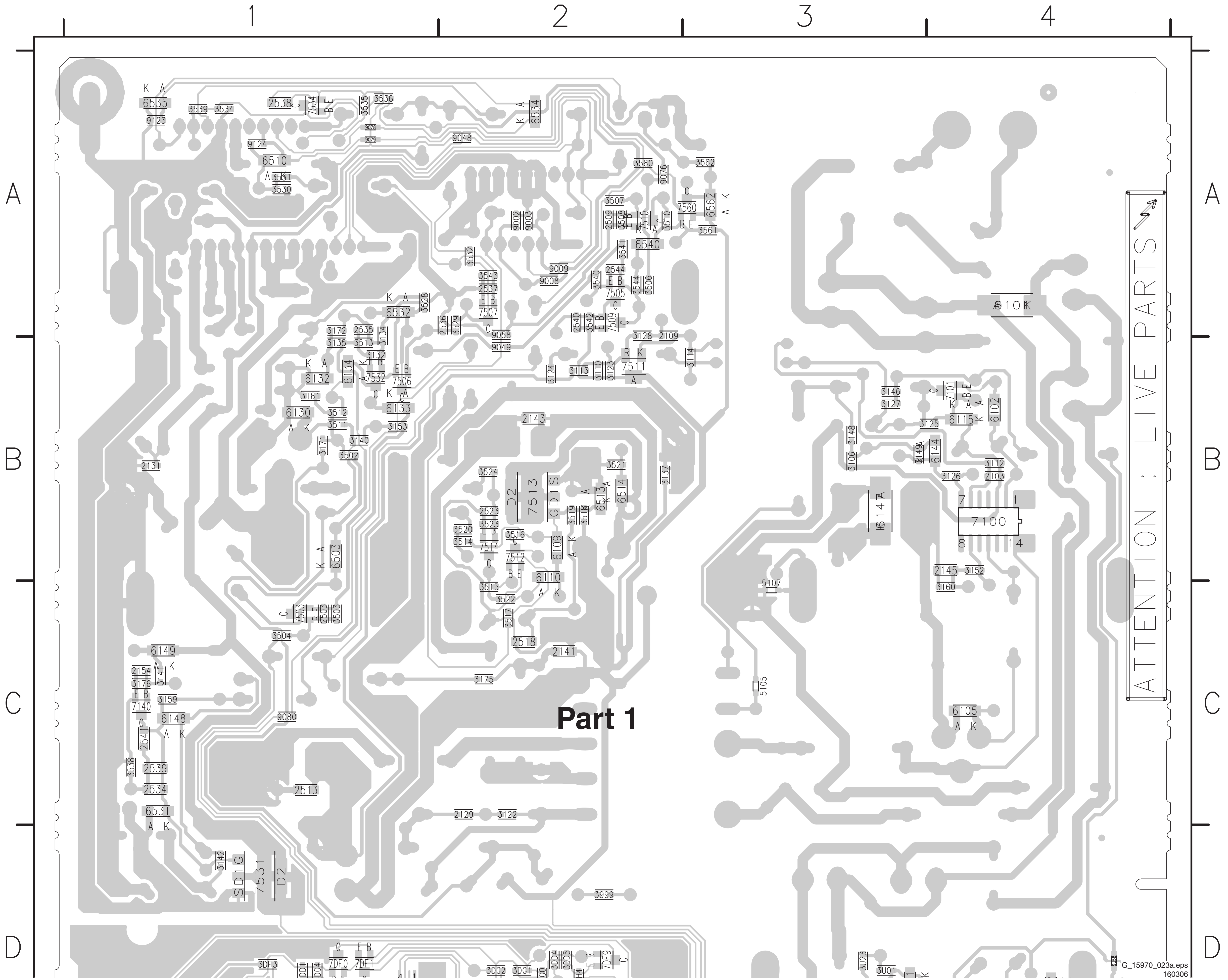
| 3DH1 | E2 |
| 3DH2 | D2 |
| 3DH3 | G2 |
| 3DH4 | D2 |
| 3DH5 | D2 |
| 3DH6 | D2 |
| 3DH7 | D2 |
| 3DH8 | E2 |
| 3DH9 | E2 |
| 3U01 | D3 |
| 3U02 | D3 |
| 3U03 | D3 |
| 3U04 | D4 |
| 3U05 | E3 |
| 3U06 | D3 |
| 3U10 | D4 |
| 3U11 | F4 |
| 3U12 | G4 |
| 3U13 | G4 |
| 3U14 | F4 |
| 3U15 | G4 |
| 3U16 | F4 |
| 3U17 | E4 |
| 3U18 | E4 |
| 3U19 | D4 |
| 3U20 | E4 |
| 3U21 | F4 |
| 3U23 | D3 |
| 3U25 | E4 |
| 3U26 | E4 |
| 3U27 | E4 |
| 3U28 | E4 |
| 3U29 | G4 |
| 3U31 | G4 |
| 3U35 | G3 |
| 3U36 | G3 |
| 3U37 | G4 |
| 3U38 | F4 |
| 3U43 | G4 |
| 5105 | C3 |
| 5107 | C3 |
| 5U07 | D3 |
| 5U08 | E4 |
| 6101 | A4 |
| 6102 | B4 |
| 6105 | C4 |
| 6109 | B2 |
| 6110 | C2 |
| 6115 | B4 |
| 6130 | B1 |
| 6132 | B1 |
| 6133 | B1 |
| 6134 | B1 |
| 6144 | B3 |
| 6147 | B3 |
| 6148 | C1 |
| 6149 | C1 |
| 6503 | B1 |
| 6510 | A1 |
| 6513 | B2 |
| 6514 | B2 |
| 6531 | C1 |
| 6532 | A1 |
| 6534 | A2 |
| 6535 | A1 |
| 6540 | A2 |
| 6562 | A3 |
| 6DF0 | E2 |
| 6DF1 | D2 |
| 6U01 | E4 |
| 6U02 | D4 |
| 6U03 | E4 |
| 6U04 | D3 |
| 6U05 | E3 |
| 6U08 | F4 |
| 6U09 | G4 |
| 6U11 | D3 |
| 6U15 | E4 |
| 6U25 | D4 |
| 6U26 | D4 |
| 6U32 | G4 |
| 7100 | B4 |
| 7101 | B4 |
| 7140 | C1 |
| 7503 | C1 |
| 7505 | A2 |
| 7506 | B1 |
| 7507 | A2 |
| 7509 | A2 |
| 7510 | A2 |
| 7511 | B2 |
| 7512 | B2 |
| 7513 | B2 |
| 7514 | B2 |
| 7531 | D1 |
| 7532 | B1 |
| 7534 | A1 |
| 7560 | A3 |
| 7D00 | F1 |
| 7D05 | E2 |
| 7D06 | E1 |
| 7D07 | E1 |
| 7D08 | E1 |
| 7D09 | E2 |
| 7D10 | E1 |
| 7D12 | E1 |
| 7D30 | F2 |
| 7D31 | F2 |
| 7D32 | F1 |
| 7D33 | F1 |
| 7D34 | F1 |
| 7D35 | F1 |
| 7D37 | F1 |
| 7DD0 | G2 |
| 7DF0 | D1 |
| 7DF1 | D1 |
| 7DF2 | D2 |
| 7DF3 | E2 |
| 7DF4 | E2 |
| 7DF5 | E2 |
| 7DF6 | D2 |
| 7DF7 | D1 |
| 7DF8 | D2 |
| 7DF9 | D2 |
| 7DH0 | G3 |
| 7U03 | E4 |
| 7U05 | F4 |
| 7U07 | G4 |
| 7U08 | G3 |
| 7U10 | E4 |
| 7U15 | D4 |
| 7U16 | E4 |
| 9002 | A2 |
| 9003 | A2 |
| 9008 | A2 |
| 9009 | A2 |
| 9048 | A2 |
| 9049 | B2 |
| 9058 | A2 |
| 9076 | A2 |
| 9078 | A1 |
| 9079 | A1 |
| 9080 | C1 |
| 9123 | A1 |
| 9124 | A1 |
| 9D06 | D2 |
| 9D07 | G2 |
| 9D10 | E2 |
| 9D13 | F1 |
| 9D14 | F1 |
| 9D15 | F1 |
| 9D19 | F1 |
| 9D20 | E2 |
| 9D21 | D2 |
| 9D25 | F1 |
| 9D30 | F1 |
| 9D31 | F1 |
| 9DF0 | G3 |
| 9DF1 | G2 |
| 9U55 | E4 |
| 9U57 | E4 |
| 9U58 | D4 |



## Layout Standby & Audio Panel (Part 1 Bottom Side)


1
2
3
4
A
B
C
D
6535
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3534
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3535
3536
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6510
3531
3530
9048
6534
3560
9076
3562
3507
7560
6562
2509
3508
7510
3510
3561
9002
9003
6540
3541
3532
9009
9008
2544
3540
7505
3544
3506
3543
2537
7507
3528
6532
2536
3529
9058
9049
2540
3542
7509
3128
2109
3172
3135
2535
3513
3134
3132
6134
7532
7506
6132
3124
3113
3110
3123
7511
3114
3161
6133
6130
3512
3511
3153
2143
3171
3140
3502
2131
3524
7513
3521
6514
6513
3137
2523
3523
3519
3518
3520
3514
7514
3516
7512
6109
6503
6110
3515
3522
7503
2503
3503
3517
2518
3504
2141
6149
2154
3147
3176
7140
3159
3175
6148
9080
2541
Part 1
3538
2539
2534
2513
6531
2129
3122
3142
7531
3999
3DF3
7DF0
7DF1
3DG2
3DG1
3DD4
3DD5
7DF9
3U23
3U01
6101
3146
3127
7101
6102
3125
6115
3148
3106
3144
6144
3112
2103
3126
6147
7100
2145
3152
3160
5107
5105
6105
ATTENTION : LIVE PARTS
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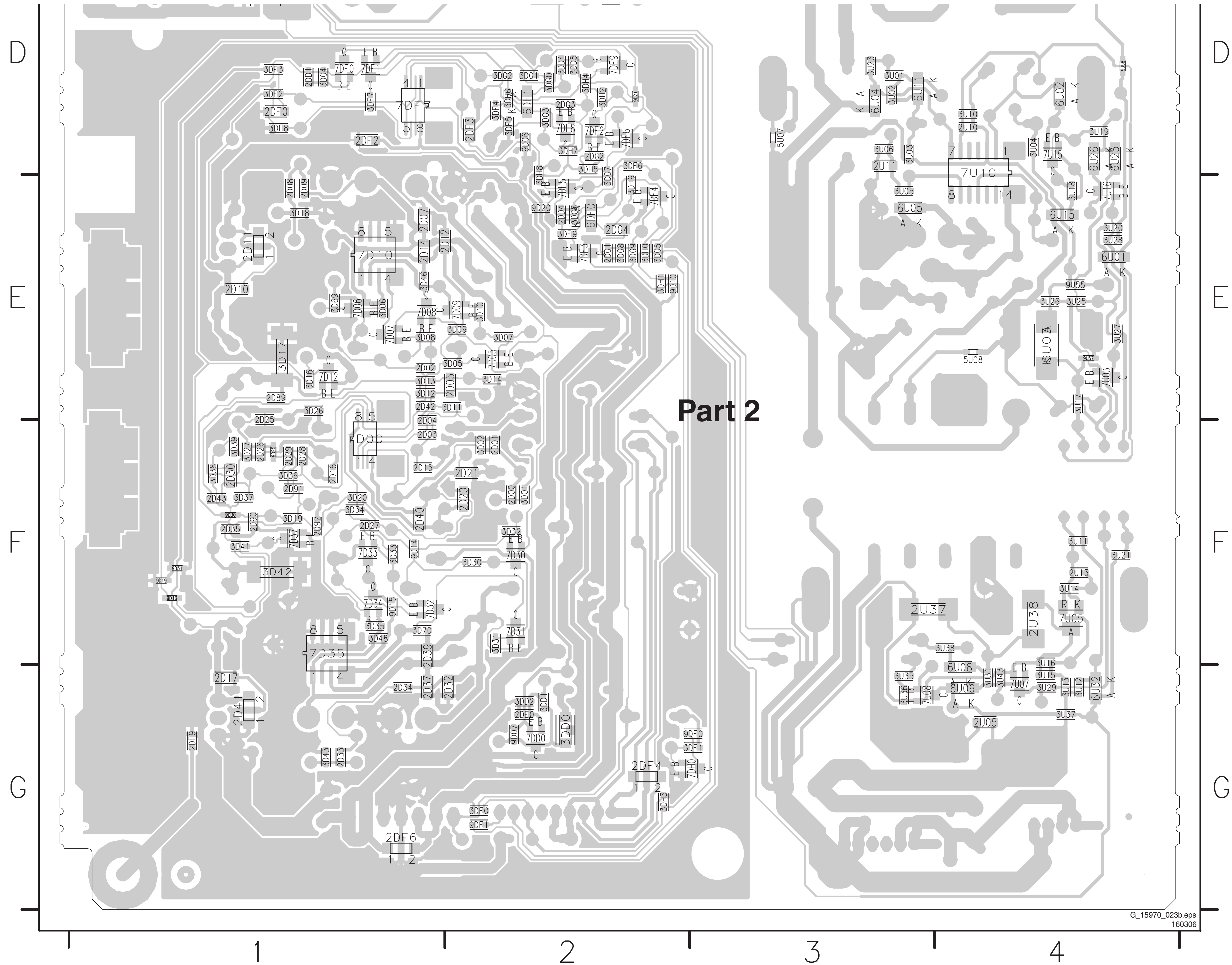
## Layout Standby & Audio Panel (Part 2 Bottom Side)


D
E
F
G
1
2
3
4
Part 2
7DF
7D10
7D00
7D35
7U10
2U37
2U38
3D42
3D17
2D10
2D11
2D17
2D41
2DF4
2DF6
3DD0
6U07
7U05
2U05

G_15970_023b.eps
160306

## *Personal Notes:*

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131004

# 8. Alignments

**Index of this chapter:**

8.1 General Alignment Conditions
8.2 Hardware Alignments
8.3 Software Alignments
8.4 Option Settings

**Note:** The Service Default Mode (SDM) and Service Alignment Mode (SAM) are described in chapter 5. Menu navigation is done with the CURSOR UP, DOWN, LEFT or RIGHT keys of the remote control transmitter.

## 8.1 General Alignment Conditions

Perform all electrical adjustments under the following conditions:

- Power supply voltage (depends on region):
  - AP-NTSC: 120 $V_{AC}$ or 230 $V_{AC}$ / 50 Hz (± 10%).
  - AP-PAL-multi: 120 - 230 $V_{AC}$ / 50 Hz (± 10%).
  - EU: 230 $V_{AC}$ / 50 Hz (± 10%).
  - LATAM-NTSC: 120 - 230 $V_{AC}$ / 50 Hz (± 10%).
  - US: 120 $V_{AC}$ / 60 Hz (± 10%).
- Connect the set to the mains via an isolation transformer with low internal resistance.
- Allow the set to warm up for approximately 15 minutes.
- Measure voltages and waveforms in relation to correct ground (e.g. measure audio signals in relation to AUDIO_GND).
  **Caution:** It is not allowed to use heatsinks as ground.
- Test probe: Ri > 10 Mohm, Ci < 20 pF.
- Use an isolated trimmer/screwdriver to perform alignments.

### 8.1.1 Initial Settings

Press the “Menu” button on the RC. Select “TV menu”, “TV settings” and then “Picture”. Change the following initial setting in order to perform all electrical adjustments:

1. Set “Active Control” to “Off”.
2. Set “Light sensor” to “Off”.

### 8.1.2 Alignment Sequence

- First, set the correct options:
  - In SAM, select “Options”, and then “Option numbers”.
  - Fill in the option settings for “Group 1” and “Group 2” according to the set sticker (see also paragraph "Option Settings").
  - Press OK on the remote control **before** the cursor is moved to the left.
  - In submenu “Option numbers” select “Store” and press OK on the RC.
    **OR:**
  - In main menu, select “Store” again and press OK on the RC.
  - Switch the set to Standby.
- Warming up (>15 minutes).
- White-D alignment.

## 8.2 Hardware Alignments

Not applicable.

## 8.3 Software Alignments

Put the set in SAM mode (see Chapter 5 "Service Modes, Error Codes and Fault Finding"). The SAM menu will now appear on the screen. Select ALIGNMENTS and go to one of the sub menus. The alignments are explained below.

**Notes:**

- All changes must be stored manually.
- **Initialise NVM.** When an NVM was corrupted (or replaced) in the former EMG based chassis, the microprocessor replaces the content with default data (to assure that the set can operate). However, all preferences and alignment values are gone now, and option numbers are not correct. Therefore, this was a very drastic way. In this chassis, the procedure is implemented in another way: The moment the processor recognizes a corrupted NVM, the “initialize NVM” line will be highlighted. Now, you can do two things (depending of the service instructions at that moment):
  - Save the content of the NVM via ComPair for development analysis, **before** initializing. This will give the Service department an extra possibility for diagnosis (e.g. when Development asks for this).
  - Initialize the NVM (same as in the past, however now it happens conscious).

With the software alignments of the Service Alignment Mode (SAM), “Tuner AGC”, “Tuner IF PLL Offset” and the “Whitepoint” settings can be aligned.

To store the data:

- Press OK on the RC **before** the cursor is moved to the left.
- In main menu select “Store” and press OK on the RC.
- Press MENU on the RC to switch back to the main menu.
- Switch the set to Standby mode.

For the next alignments, supply the following test signals via a video generator to the RF input:

- **EU/AP-PAL** models: a PAL B/G TV-signal with a signal strength of at least 1 mV and a frequency of 475.25 MHz
- **US/AP-NTSC** models: an NTSC M/N TV-signal with a signal strength of at least 1 mV and a frequency of 61.25 MHz (channel 3).
- **LATAM** models: an NTSC M TV-signal with a signal strength of at least 1 mV and a frequency of 61.25 MHz (channel 3).
- **DVB-T** models: see table “SDM default settings” in chapter 5.

### 8.3.1 Adjacent channel sound trap (40.4 MHz)

Purpose: to avoid sound of adjacent channel in picture.

This alignment can only be executed in sets equipped with the hybrid TD1316AF tuner (use RF sweep generator, spectrum analyser and active probe):

- Apply sweep generator to antenna. Tune to any frequency, e.g. 154.25 MHz. Sweep from appr. 151.25 MHz to 154.25 MHz. Level must be low (e.g. 45 dBμV) in order to avoid AGC effect.
- Sweep from appr. 151.25 MHz to 154.25 MHz. Level must be low (e.g. 45 dBμV) in order to avoid AGC effect.
- Connect active probe of spectrum analyser to test point AC05.
- Turn the core of coil 5C70 until notch frequency is at 40.75 MHz.

### 8.3.2 Tuner AGC

Purpose: To keep the tuner output signal constant as the input signal amplitude varies.

This chassis comes with two tuner types: the UV1318S for the analogue sets and the TD1316AF for the hybrid sets. For further details refer to chapter 9 “Circuit descriptions, Abbreviation List, and Data Sheets”. For the digital tuner TD1316AF, no AGC alignment is necessary, as the AGC alignment is done automatically (standard value: “32”), even during analogue reception. The analogue tuner UV1318S however needs to be aligned as follows (use spectrum analyser and RF generator):

- Warm up set for a short period.
- Tune set to 203.25 MHz.
- Apply unmodulated carrier of 203.25 MHz (70 dBμV) to antenna input.
- Measure IF-output of the tuner (pin 11) with active probe and spectrum analyser.
- Adjust AGC (via SAM menu), until measured level is less or equal to 103 dBμV (6-bit register, typical value is 42 dec).
- Store settings and quit SAM.

### 8.3.3 IF PLL Offset

The IF PLL Offset value needs to be realigned in case the MPIF and/or the NVM have been replaced. This is not necessary in case only the tuner has been replaced. Default values are:

- For PAL B/G: 40
- For SECAM L: 32

In case the result is not satisfying (distortion in sound and/or discolouration in left and right part of the picture), use the following method to align the IF PLL Offset value:

- Switch set “off”.
- Disconnect speakers and connect a resistor of 1 kΩ instead.
- Connect AC voltmeter at resistor.
- Switch set on.
- Put “Volume” at maximum.
- Align PLL until voltage is at minimum.

In case the minimum value on the AC voltmeter is found in a range of IF PLL Offset values, the value should be taken that is in the middle of this range.

### 8.3.4 White Point

- Set “Active control” to “Off” as earlier described.
- Choose “TV menu”, “TV Settings” and then “Picture” and put:
  - “Dynamic contrast” to “Off”.
  - “Colour enhancement” to “Off”.
  - “Light sensor” to “Off”.
  - “Clear LCD” to “On” where applicable.
  - “Colour” to "0".
  - “Contrast” to "100".
- Go to the SAM and select “Alignments”-> “Whitepoint”.

***White point alignment:***

- Use a 100% white screen as input signal and set the following values:
  - “Colour temperature”: "Normal".
  - All “Whitepoint” values to: "127".
  - “Red BL offset” and “Green BL offset” values to “8”.

In case you have a colour analyser:

- Measure with a calibrated (phosphor- independent) colour analyser in the centre of the screen. Consequently, the measurement needs to be done in a dark environment.
- Adjust the correct x,y coordinates (while holding one of the White point registers R, G or B on 127) by means of decreasing the value of one or two other white points to the correct x,y coordinates (see table "White D alignment values"). Tolerance: dx: ± 0.004, dy: ± 0.004.
- Repeat this step for the other colour Temperatures that need to be aligned.
- When finished press OK on the RC and then press STORE (in the SAM root menu) to store the aligned values to the NVM.
- Restore the initial picture settings after the alignments.

If you do not have a colour analyser, you can use the default values. This is the next best solution. The default values are average values coming from production (statistics).

- Select a COLOUR TEMPERATURE (e.g. COOL, NORMAL, or WARM).
- Set the RED, GREEN and BLUE default values according to the values in the "Tint settings" table.
- When finished press OK on the RC, then press STORE (in the SAM root menu) to store the aligned values to the NVM.
- Restore the initial picture settings after the alignments.

**Table 8-1 Tint settings**

| Colour Temp. | R | G | B |
|---|---|---|---|
| Cool | 122 | 120 | 121 |
| Normal | 125 | 118 | 108 |
| Warm | 127 | 110 | 75 |

## 8.4 Option Settings

### 8.4.1 Introduction

The microprocessor communicates with a large number of $I^2C$ ICs in the set. To ensure good communication and to make digital diagnosis possible, the microprocessor has to know which ICs to address. The presence / absence of these specific ICs (or functions) is made known by the option codes.

**Notes:**

- After changing the option(s), save them by pressing the OK button on the RC **before** the cursor is moved to the left, select STORE in the SAM root menu and press OK on the RC.
- The new option setting is only active after the TV is switched "off" / “standby” and "on" again with the Mains switch (the NVM is then read again).

### 8.4.2 Dealer Options

For dealer options, in SAM select “Dealer options” and then “Personal options”.

**Table 8-2 Dealer options**

| Menu item | Subjects | Options | Description |
|---|---|---|---|
| Personal Options | Virgin Mode | On | TV starts up (once) with a language selection menu after the Mains switch is turned "on" for the first time (virgin mode) |
| | | Off | TV does not start up (once) with a language selection menu after the Mains switch is turned "on" for the first time (virgin mode) |
| | Autostore Mode | None | Determines where the set distracts the information from for the autostore functionality |
| | | PDC/VPS | |
| | | TXT page | |
| | | PDC/VPS/TXT | |

### 8.4.3 (Service) Options

Select the sub menu's to set the initialization codes (options) of the set via text menus.

**Table 8-3 Service options**

| Menu-item | Subjects | Options | Description |
|---|---|---|---|
| PIP/DS | Dual Screen | None | no DS |
| | | One tuner dual screen | one tuner DS |
| | | Two tuner dual screen | two tuner DS |
| Data | EPG | - | Electronic Program Guide |
| Display | Screen | “Value” | Used screen size, type, and resolution (see figure “Display option code overview” in chapter 5) |
| | Clear LCD | On / Off | Feature present / not present |
| | Dimming Backlight | On / Off | Feature present / not present |
| Video Repro | Picture Processing | Spider | Feature present |
| | Combfilter | None / 2D / 3D | |
| | Ambient Light | Off / Mono / Stereo/Triple / Quad | Inverter not present / one inverter / two inverters / three inverters / four inverters |
| | Pacific 3 | On | Feature present |
| | MOP | Off / On | Feature present / not present |
| | Light sensor | Off / On | Sensor active / not active |
| Source Selection | EXT1 type | CVBS RGB | |
| | EXT2 type | CVBS Y/C RGB P50 | |
| | EXT3 type | YPbPr | |
| | EXT4 type | None | |
| | HDMI 1 | None | No HDMI |
| | | With analogue audio | DVI |
| | | Without analogue audio | HDMI |
| | HDMI 2 | None | No HDMI |
| | | With analogue audio | DVI |
| | | Without analogue audio | HDMI |
| | USB version | 2.0 + CR | USB 2.0 in cardreader panel |
| | Ethernet | Off / On | Connector not present / present |
| | VGA | On | |
| | S/PDIF inputs | 1 connector | 1 connector present (in) |

| Menu-item | Subjects | Options | Description |
|---|---|---|---|
| Audio Repro | Acoustic System (Cabinet design, used for setting dynamic audio parameters) | None | |
| | | Entry ME5 5W | |
| | | Entry ME5 15W | |
| | | (Soft) Wrap | |
| | | Top | |
| | | Entry+ | |
| | | Eco ME5 5W | |
| | | Eco ME5 15W | |
| | | Eco ME6 | |
| | | Top-A 2K6 | |
| | | ME5P 2K6 | |
| | | Step Top-B EUR AP 2K6 32 | |
| | | Step Top-B EUR AP 2K6 37+ | |
| | | Step Top-B Open 2K6 | |
| | | MEG 2K6 | |
| | | 51 WMAG | |
| | | 51 PHIL | |
| | | 60 PHIL | |
| | | MEG ECO Slim | |
| | | Others | |
| | | DLP 50” PHIL/MAG | |
| | | DLP 60” PHIL | |
| | | ME6 Step 2k6 (duplicated from ME6 2k6 | |
| | | Cos | |
| | | Top-A_BBE_2k6 | |
| | | TopBStep32Box_BBE_2k6 | |
| | | TopBStep37PlusBox_BBE_2k6 | |
| | | ME6_BBE_2k6 | |
| | Centre mode support | Off | Feature present / not present |
| | Inverted Class D amplifier | Yes / No | Right audio channel (coming from the PNX2105) inverted / not inverted. Only inverted (‘Yes’) in sets who use the 2k6 audio panel. |
| Miscellaneous | Region | Europe / AP-PAL-MULTI | |
| | ATSC / DVB-T | On / Off | |
| | DVB-T installation | Off / Country dependent / On | |
| | Alternative tuner | Philips | Tuner brand |
| | Tuner type | UV1318 / TD 1316 | Tuner type |
| | AGC amplifier | Other / Sanyo | |
| | Hotel mode | Off | |
| | Video playback | On | |
| | Connected planet | On / Off | |
| Opt. no. | Group 1 | | xxxxx xxxxx xxxxx xxxxx (see set sticker) |
| | Group 2 | | xxxxx xxxxx xxxxx xxxxx (see set sticker) |
| | Store | Store | |

### 8.4.4 Opt. No. (Option numbers)

Select this sub menu to set all options at once (expressed in two long strings of numbers).
An option number (or "option byte") represents a number of different options. When you change these numbers directly, you can set all options very quickly. All options are controlled via eight option numbers.
When the NVM is replaced, all options will require resetting. To be certain that the factory settings are reproduced exactly, you must set both option number lines. You can find the correct option numbers on a sticker inside the TV set.

**Example:** The options sticker gives the following option numbers:

- 04368 00005 01066 08707
- 00000 00032 00512 00000

The first line (group 1) indicates hardware options 1 to 4, the second line (group 2) indicates software options 5 to 8.
Every 5-digit number represents 16 bits (so the maximum value will be 65536 if all options are set).
When all the correct options are set, the sum of the decimal values of each Option Byte (OB) will give the option number.
See next table for the option overview.

**Important:** after having edited the option numbers as described above, you **must** press OK on the remote control **before** the cursor is moved to the left!

**Table 8-4 Option code overview**

| Byte | Bit (dec. value) | Subject | Options | Settings (in decimal values) | Remarks |
|---|---|---|---|---|---|
| 1 | 0 (1) | Video Repro | Picture Processing | 0= No Spider, 1= Spider | Spider availability, influences, digital options. |
| | 1 (2) | | | | |
| | 2 (4) | | | | |
| | 3 (8) | | Comb Filter | 0= None, 8= 2D Comb (Columbus without DRAM),<br>16= 3D Comb (Columbus with DRAM) | |
| | 4 (16) | | | | |
| | 5 (32) | | Ambient Light | 0= None, 32=Ambi-light Mono, 64= Ambi-light Stereo, 96 = Ambi-light Triple, 128 = Ambi-light Quad | |
| | 6 (64) | | | | |
| | 7 (128) | | | | |
| | 8 (256) | | Dual Screen | 0= None, 256= One Tuner DS, 512= Two Tuner DS | |
| | 9 (512) | | | | |
| | 10 (1024) | | MOP | 0= Off, 1024= On | Matrix Output Processor. |
| | 11 (2048) | | JOP | 0= Off, 2048= On | Jaguar Output Processor. |
| | 12 (4096) | | POD | 0= Off, 4096= On | |
| | 13 (8192) | n.a. | | | |
| | 14 (16384) | | | | |
| | 15 (32768) | | | | |
| 2 | 0 (1) | Cabinet Type | Cabinet Type | 0= None, 1= Entry_ ME5_5W, 2= Entry_ME5_15W, 3= (Soft)Wrap, 4= Top, 5= Entry+, 6= ME5_5W Eco, 7= ME5 15W Eco, 8= ME6 Eco, 9= TopA 2K6, 10= ME5P 2K6, 11= TopBStep32Box 2K6, 12= TopBStep37PlusBox 2K6, 13= TopBStepOpen 2K6, 14= ME6 2K6, 15= 51WMAG, 16= 51PHIL, 17= 60PHIL, 18 = MEG ECO Slim, 19= Others, 20= DLP 50” PHIL/MAG, 21= DLP 60” PHIL, 22= ME6 step 2K6 (not used, duplicate with ME6 2K6 option no. 14), 23= Cos, 25= TopA_BBE_2K6, 27= TopBStep32Box_BBE_2K6,<br>28= TopBStep37PlusBox_BBE_2K6, 30= ME6_BBE_2K6 | Cabinet design, used for setting dynamic audio parameters. |
| | 1 (2) | | | | |
| | 2 (4) | | | | |
| | 3 (8) | | | | |
| | 4 (16) | | | | |
| | 5 (32) | n.a. | | | |
| | 6 (64) | | | | |
| | 7 (128) | | | | |
| | 8 (256) | Sound Repro | Inverted Class D | 0= Not Inverted, 256= Inverted | |
| | 9 (512) | | Subwoofer Internal | 0= Off, 512= On | |
| | 10 (1024) | Centre Mode Support | Centre Mode Support | 0= Not Supported, 1024= Supported | |
| | 11 (2048) | n.a. | | | |
| | 12 (4096) | | | | |
| | 13 (8192) | | | | |
| | 14 (16384) | | | | |
| | 15 (32768) | | | | |
| 3 | 0 (1) | Source Select | HDMI1 | 0= None (no HDMI), 1= With analog audio (DVI),<br>2= Without analog audio (HDMI) | read-only |
| | 1 (2) | | | | |
| | 2 (4) | | HDMI2 | 0= None (no HDMI), 4= With analog audio (DVI),<br>8= Without analog audio (HDMI) | read-only |
| | 3 (8) | | | | |
| | 4 (16) | | Video Playback | 0= Off, 16= On | |
| | 5 (32) | | USB Version | 0= None, 32= USB 1.1, 64= USB 2.0 + Card reader | USB support. |
| | 6 (64) | | | | |
| | 7 (128) | | IEEE1394 | 0= Not Present, 128= Present | |
| | 8 (256) | | Ethernet | 0= LAN not present, 256= LAN present | |
| | 9 (512) | | RRT | 0= Off, 512= On | Regional Rating Table (RRT) |
| | 10 (1024) | | S/PDIF Inputs | 0= None, 1024= 1 Connector, 2048= 2 Connectors | |
| | 11 (2048) | | | | |
| | 12 (4096) | | VGA | 0= Off, 1= On | |
| | 13 (8192) | | n.a. | | |
| | 14 (16384) | | | | |
| | 15 (32768) | | | | |
| 4 | 0 (1) | Region | Region | 0= EU, 1= AP-P, 2= AP-N, 3= US, 4= Latam | |
| | 1 (2) | | | | |
| | 2 (4) | | | | |
| | 3 (8) | Interconnect | China IF | 0= Off, 8= On | |
| | 4 (16) | | Alternative Tuner | 0= Philips, 16= Alps | Tuner make. |
| | 5 (32) | | Tuner Type | 0= TD1336s (B-Chassis US), 32= TD1331(J-Chassis US),<br>64= UV1318 (Analogue EU), 96= TD1316 (Hybrid EU) | Tuner type<br>(B-chassis US is e.g "BP2.3U"). |
| | 6 (64) | | | | |
| | 7 (128) | Amplifier Type | Amplifier Type | 0=NEC, 128=Sanyo | 15 (32768) |
| | 8 (256) | Source Select | AV1 | 0= CVBS/RGB, 256= CVBS/YC/YPbPr/HV/LR, 512= CVBS/YC/LR, 768= CVBS/YPbPr/LR | Input type. |
| | 9 (512) | | | | |
| | 10 (1024) | | AV2 | 0= CVBS/YC/RGB/P50, 1024= CVBS/YC/LR, 2048= CVBS/YPbPr/LR, 3072= CVBS/YC/YPbPr/LR | Input type. |
| | 11 (2048) | | | | |
| | 12 (4096) | | n.a. | | |
| | 13 (8192) | | n.a. | | |
| | 14 (16384) | | AV4 | 0= Not Available, 16384= YPbPr, 32768= YPbPr/LR | Input type. |
| | 15 (32768) | | | | |

| Byte | Bit (dec. value) | Subject | Options | Settings (in decimal values) | Remarks |
|---|---|---|---|---|---|
| 5 | 0 (1) | Display | Screen | see Table “Display code overview” in Chapter “Service Modes” for the values | Screen size, type, and resolution. |
| | 1 (2) | | | | |
| | 2 (4) | | | | |
| | 3 (8) | | | | |
| | 4 (16) | | | | |
| | 5 (32) | | | | |
| | 6 (64) | | | | |
| | 7 (128) | | | | |
| | 8 (256) | | Light sensor | 0= Off, 256= On | |
| | 9 (512) | | Contrast Reduction | 0= Off, 512= On | |
| | 10 (1024) | | Dimming Backlight | 0= Off, 1024= On | |
| | 11 (2048) | | Clear LCD | 0= Off, 2048= On | |
| | 12 (4096) | AV3Union | Europe & AP | 0= CVBS, 4096= YPbPr, 8192= YPbPr/LR, 12288= YPbPr/LR/HV | |
| | 13 (8192) | | | | |
| | 14 (16384) | | US | 0= YPbPr, 16384= CVBS/YC/LR | |
| | 15 (32768) | Logo | Logo | 0= Off, 32768= On (default) | |
| 6 | 0 (1) | Miscellaneous | n.a. | | |
| | 1 (2) | | n.a. | | |
| | 2 (4) | | n.a. | | |
| | 3 (8) | | n.a. | | |
| | 4 (16) | | n.a. | | |
| | 5 (32) | | n.a. | | |
| | 6 (64) | | Proximity Sensor | 0= Off, 64= On | |
| | 7 (128) | | n.a. | | |
| | 8 (256) | | DVB-T installation | 0= Off, 256= Country dependent, 512= On | |
| | 9 (512) | | | | |
| | 10 (1024) | | n.a. | | |
| | 11 (2048) | | n.a. | | |
| | 12 (4096) | | n.a. | | |
| | 13 (8192) | | n.a. | | |
| | 14 (16384) | | n.a. | | |
| | 15 (32768) | | n.a. | | |
| 7 | 0 (1) | Personal | Self Learning TV | 0= Off, 1= On | |
| | 1 (2) | | Auto Store Mode | 0= None, 2= PDC/VPS, 4= TXT Page, 6= PDC/VPS/TXT Page | Fixed to: "None" in the AP-N and US versions. |
| | 2 (4) | | | | |
| | 3 (8) | | 2CS Korea | 0= Off, 8= On, 16= Auto | |
| | 4 (16) | | | | |
| | 5 (32) | | Picture Mute | 0= Off, 32= On | |
| | 6 (64) | | n.a. | | |
| | 7 (128) | | Virgin Mode | 0= Off, 128= On | |
| | 8 (256) | Hotel Mode | | 0= Off, 256= On | |
| | 9 (512) | Content Browser | | 0= Not Present, 512= Present | |
| | 10 (1024) | Connected Planet | | 0= Off, 1024= Full Connected Planet + logo support | |
| | 11 (2048) | | | | |
| | 12 (4096) | ATSC/DVB-T | | 0= Off, 4096= On | |
| | 13 (8192) | IR Blaster | | 0= Off, 8192= On | |
| | 14 (16384) | EPG | | 0= Off, 16384= On | |
| | 15 (32768) | TV Guide USA (Gemstar) | | 0= Off, 32768= On | |
| 8 | 0 (1) | n.a. | n.a. | | |
| | 1 (2) | n.a. | n.a. | | |
| | 2 (4) | n.a. | n.a. | | |
| | 3 (8) | n.a. | n.a. | | |
| | 4 (16) | n.a. | n.a. | | |
| | 5 (32) | n.a. | n.a. | | |
| | 6 (64) | n.a. | n.a. | | |
| | 7 (128) | n.a. | n.a. | | |
| | 8 (256) | n.a. | n.a. | | |
| | 9 (512) | n.a. | n.a. | | |
| | 10 (1024) | n.a. | n.a. | | |
| | 11 (2048) | n.a. | n.a. | | |
| | 12 (4096) | n.a. | n.a. | | |
| | 13 (8192) | n.a. | n.a. | | |
| | 14 (16384) | n.a. | n.a. | | |
| | 15 (32768) | n.a. | n.a. | | |

# 9. Circuit Descriptions, Abbreviation List, and IC Data Sheets

**Index of this chapter:**

9.1 Introduction
9.2 LCD Power Supply
9.3 Front-End
9.4 DC/DC Converters (SSB)
9.5 Inputs
9.6 Common Interface (CI)
9.7 MPIF (PNX 3000)
9.8 PNX2015
9.9 SPIDER (T6TE0TBG)
9.10 VIPER 2 (PNX 8550)
9.11 Back-end
9.12 Ambient Light
9.13 Abbreviation List
9.14 IC Data Sheets

**Notes:**
- Only **new** circuits (circuits that are not published recently) are described.
- Figures can deviate slightly from the actual situation, due to different set executions.
- For a good understanding of the following circuit descriptions, please use the wiring, block (chapter 6) and circuit diagrams (chapter 7). Where necessary, you will find a separate drawing for clarification.

## 9.1 Introduction

This chassis (development name “Jaguar “) is: The move from the analogue world to the digital world. W.o.w. from signal processing via "hardware circuits" to signal processing via "software algorithms". This means: no software = no picture and sound!
Some key components are:
- Common Interface (CI) circuitry (only for digital sets).
- MPIF (PNX3000).
- AVIP/COLUMBUS (PNX2015).
- SPIDER (T6TE0TBG).
- VIPER 2 (PNX8550).
- FPGA (EPLD or MOP).
- PACIFIC 3 (T6TF4HFG-0002).

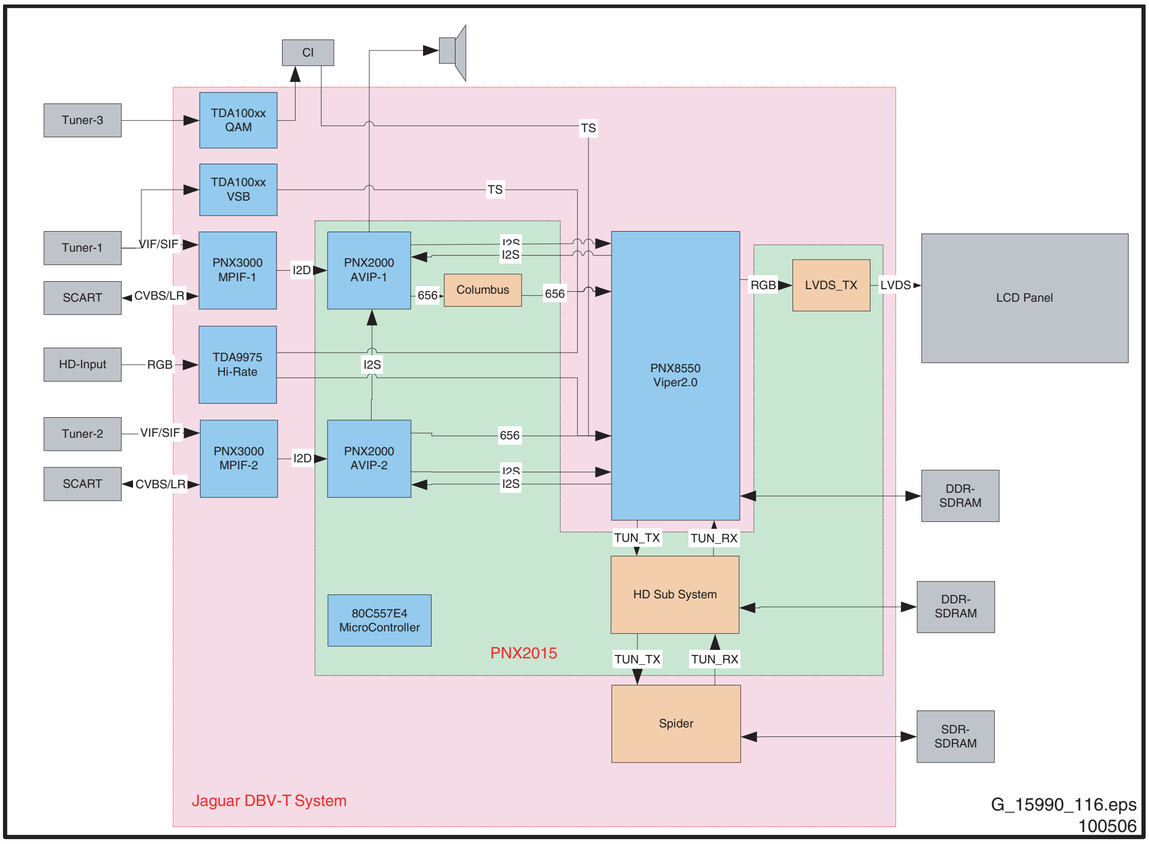
### 9.1.1 Features

The main features for this chassis are:
- Fit for both analogue and digital signal processing, this by converting analogue signals into digital transport streams and allowing seamless zapping between all possible signal sources. This makes the chassis applicable for e.g. receiving DVB-T in an integrated product form.
- AmbiLight: a unique technology that, in real-time, analyses incoming television signals and produces background lighting that matches the images displayed on the screen.
- The internal digital processing allows new "Multi-Media" applications such as Content Browser, Memory Card Slot, Local Area Network support and all kinds of streaming applications.
- The chassis can be upgraded in the future with internal functionality such as Personal Video Recording, DVD/RW, MPEG playback.

The Pacific 3 provides Pixel Plus in all models. This ensures additional sharpening, and contrast and colour enhancements to the picture.

### 9.1.2 Jaguar Architecture Overview

For details about the chassis block diagrams refer to chapter “Block diagrams, Test Point Overview, and Waveforms”. An overview of the Jaguar architecture can be found in figure “Architecture of Full Jaguar with Spider”.


CI
Tuner-3
TDA100xx QAM
TS
TDA100xx VSB
TS
Tuner-1
VIF/SIF
PNX3000 MPIF-1
I2D
PNX2000 AVIP-1
I2S
I2S
SCART
CVBS/LR
656
Columbus
656
PNX8550 Viper2.0
RGB
LVDS_TX
LVDS
LCD Panel
HD-Input
RGB
TDA9975 Hi-Rate
I2S
Tuner-2
VIF/SIF
PNX3000 MPIF-2
I2D
PNX2000 AVIP-2
656
I2S
I2S
SCART
CVBS/LR
DDR-SDRAM
TUN_TX
TUN_RX
HD Sub System
DDR-SDRAM
80C557E4 MicroController
PNX2015
TUN_TX
TUN_RX
Spider
SDR-SDRAM
Jaguar DBV-T System

G_15990_116.eps
100506

Figure 9-1 Architecture of Full Jaguar with Spider

***Tuner diversity***

The SSB can be equipped with two tuners: the main tuner TD1316AF and the sub tuner UV1318ST. The main tuner can receive digital and analogue signals, whereas the sub tuner can only receive analogue signals. Some sets are only equipped with an analogue tuner. Refer to chapter 9.3 “Front-End” for details.

***Analogue Reception***

The TV receives multimedia information by tuning to one of many 6 MHz input channels available via a cable connection. When the input channel is an analogue channel, the signal is processed via the PAL/SECAM decoder and the VBI data decoder.

***Digital Reception***

The CI module consists of the following functional blocks: Conditional Access Module (CAM), Out of Band part, and buffering. These blocks are interfacing with the DVB-T In Band (IB) channel decoder and Out of Band (OOB) channel decoder. The interface is connected to the VIPER. Also the Common Interface outgoing Transport Stream (TS) is routed to the VIPER.

The TV receives multimedia information by tuning to one of many 6 MHz input channels available via a cable connection. When the input channel is a digital channel, it is processed via the QAM demodulator and then passed to the Common Interface device (CI) where secure and scrambled information is processed. Non-scrambled information is passed through the CAM to the MPEG-2 Transport Demultiplexer. When the CAM is not inserted, the output of the QAM demodulator is routed directly to the MPEG-2 Transport Demultiplexer. The multi-media processor (VIPER) handles the synchronization and display of audio-visual material.

The OpenCable Host Device also receives control information and other data by tuning to an Out-Of-Band (OOB) Forward Data Channel (FDC) channel. The terminal will remain tuned to the OOB Forward Data Channel (own tuner) to continuously receive information. This information is passed to the CAM for processing, and relevant information is passed back to the TV.

***Signal Processing***

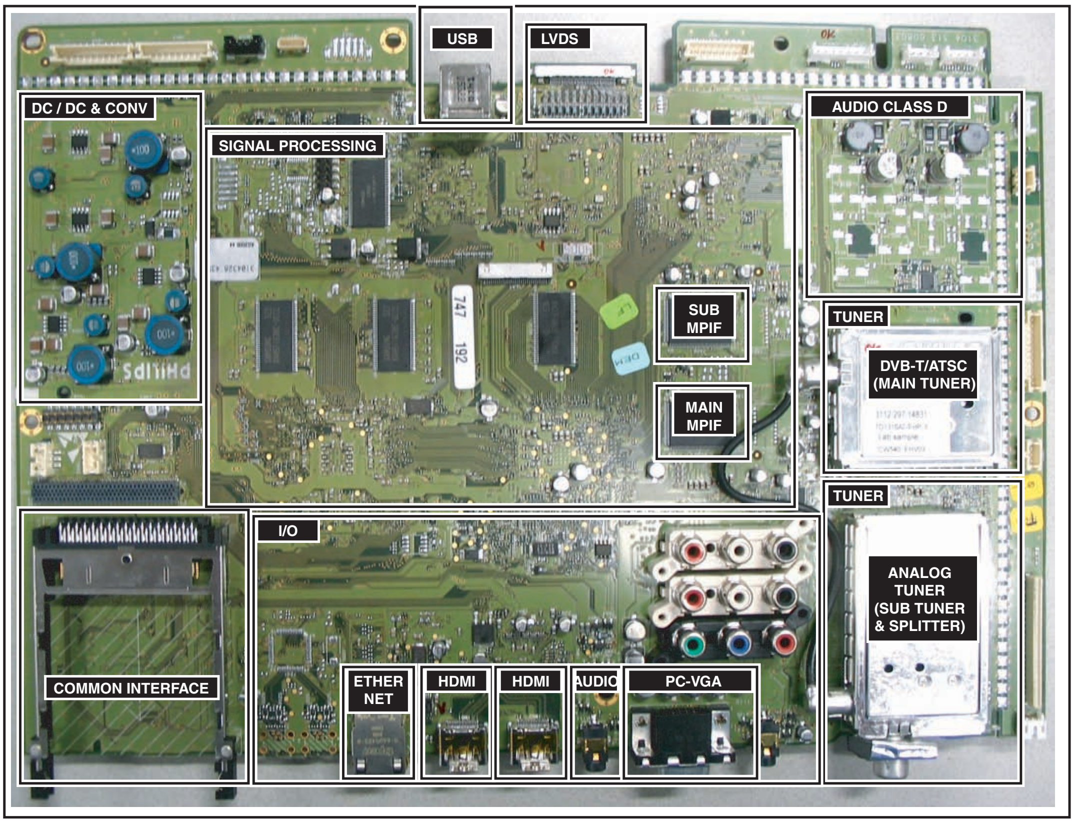
The AVIP together with the MPIF device is used to perform the input decoding of a single stream of analogue audio and video broadcast signals. In addition, the AVIP is used for decoding and presentation of audio output streams. The main data connection between MPIF and AVIP is done via an $I^2D$ bus. The AVIP converts the incoming video data to ITU-656 format for communication to the VIPER IC. The audio data is transferred between the AVIP and VIPER using $I^2S$.

The AVIP IC is controlled by the VIPER via the $I^2C$ bus.

The key part in the system, the VIPER, performs almost all key features, like video quality enhancement, motion compensation, picture-in-picture processing, and others. It is a completely digital IC with a TriMedia DSP (Digital Signal Processor) core and a MIPS microcontroller core. The DSP and some additional cores are used to do the video feature processing and some auxiliary sound feature processing. The MIPS microcontroller core is used for all internal and external controlling tasks including a system wide $I^2C$ bus.

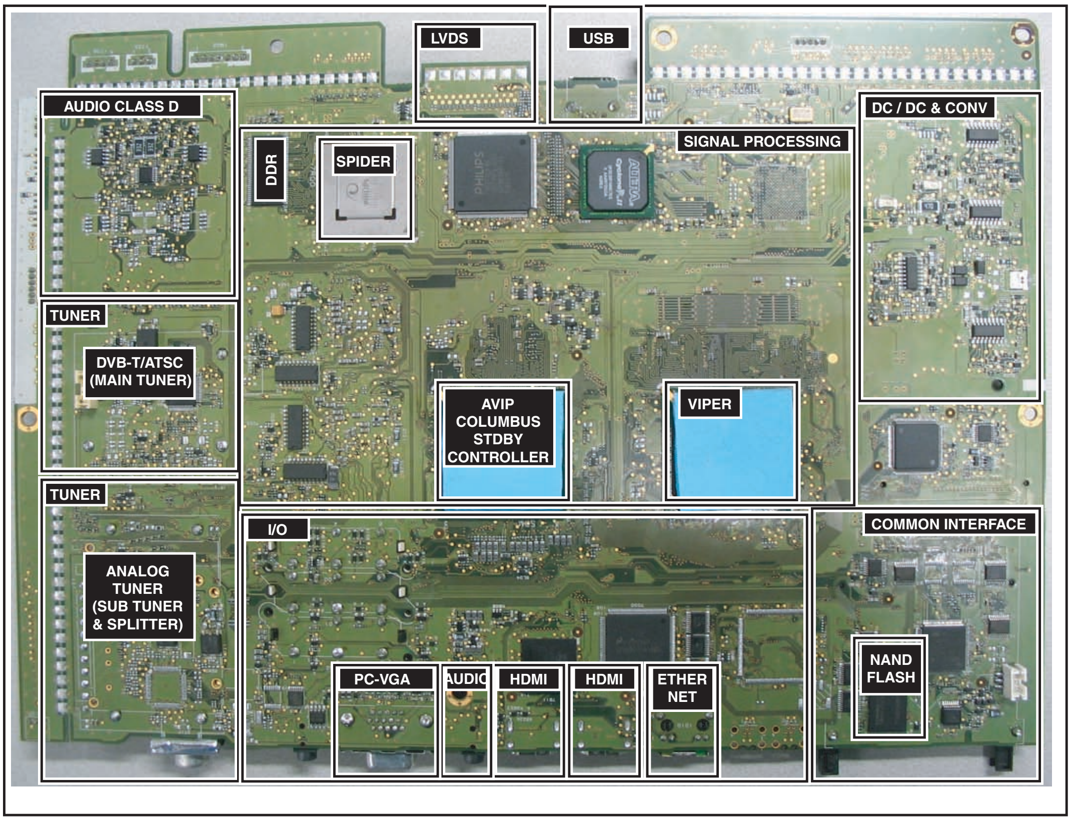
The VIPER provides a primary digital (YUV or RGB) output to the Pacific 3, which on his turn processes the data to the LVDS transmitter. For models with the AmbiLight feature, an FPGA is connected between VIPER output and LVDS Transmitter input. This FPGA (or EPLD or MOP) is used for the AmbiLight processing and some picture enhancements.

### 9.1.3 SSB Cell Layout



G_15990_120.eps
180706

Figure 9-2 SSB top view


LVDS
USB
AUDIO CLASS D
DC / DC & CONV
SIGNAL PROCESSING
DDR
SPIDER
TUNER
DVB-T/ATSC (MAIN TUNER)
AVIP COLUMBUS STDBY CONTROLLER
VIPER
TUNER
ANALOG TUNER (SUB TUNER & SPLITTER)
I/O
COMMON INTERFACE
NAND FLASH
PC-VGA
AUDIO
HDMI
HDMI
ETHER NET

G_15990_121.eps
180706

**Figure 9-3 SSB bottom view**

## 9.2 LCD Power Supply

### 9.2.1 Introduction

For a general description of the LCD Power Supply Unit (all displays) see the BL2.xU Service Manual.

***32" Sets***

For the 32" LCD set the main differences with this previous chassis are:

- Supply Unit delivers 24 V and 295 V supply for display. Layout, trafo, diodes and elco's have changed.
- 12 V for Top AmbiLight (if present).
- +/- 12 V supply for audio class D amplifier, except for US sets, where the supply voltage for audio class D amplifier is the same as in BL2.xU chassis (+/- 18 V).
- Mains overvoltage protection circuit, situated on MF supply panel, is latched to stop the supply. After that, a 12 V drop causes a software protection.
- The 24 V supply is separately stabilized with a MOSFET. The 295 V supply is stabilized on the 12 V supply. There is a mutual influence of less than 5 %.
- Extended display connectivity.

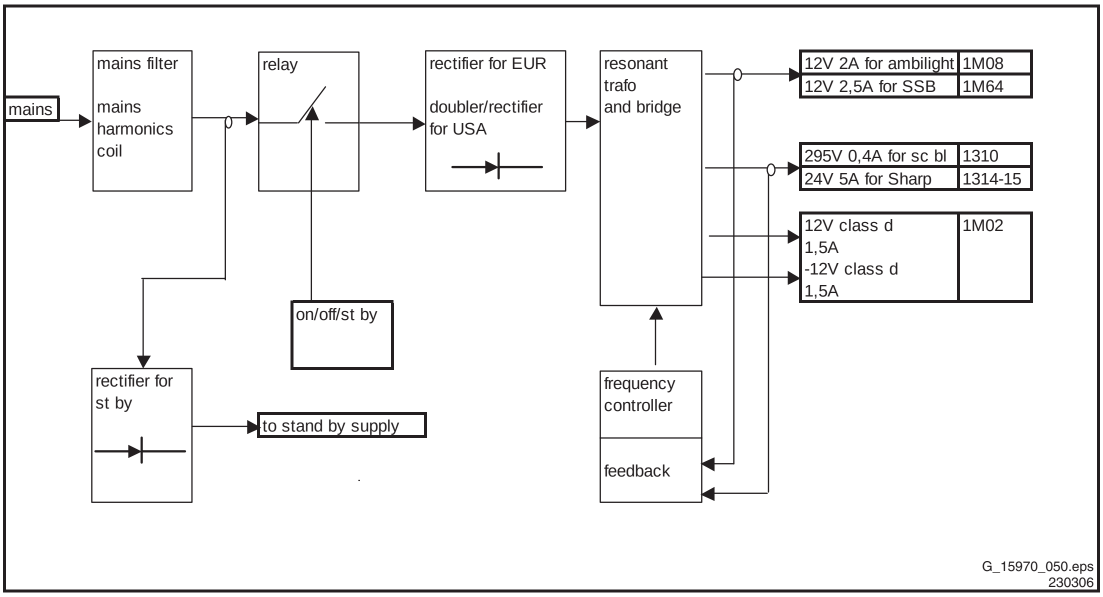

mains
mains filter
mains harmonics coil
relay
rectifier for EUR
doubler/rectifier for USA
resonant trafo and bridge
12V 2A for ambilight
1M08
12V 2,5A for SSB
1M64
295V 0,4A for sc bl
1310
24V 5A for Sharp
1314-15
12V class d 1,5A
-12V class d 1,5A
1M02
on/off/st by
rectifier for st by
to stand by supply
frequency controller
feedback
G_15970_050.eps
230306

**Figure 9-4 Block diagram LCD Power Supply 32"**

***37" Sets***

For the 37" LCD set the main differences with the BL2.xU chassis are:

- Supply Unit delivers only 24 V for display and 12 V for Top AmbiLight (if present). No power supply for SSB and audio panel. Changed architecture. Separate platform and display supply but merged on the same board for cost reasons.
- On BL2.xU chassis the correct working of the 12 V supply was sensed on the SSB, whereas in this chassis a so-called Power-Good line indicates the correct functioning of the 12 V and 24 V supply (for some set types see error 63 description in chapter 5). This is polled by the UPROC (PNX).
- Mains overvoltage protection shuts down the supply: Power-Good goes low.
- Supply is stabilized on the 24 V supply. The 12 V supply fluctuates with the load on the 24 V supply however this is not critical.
- Extended display connectivity.

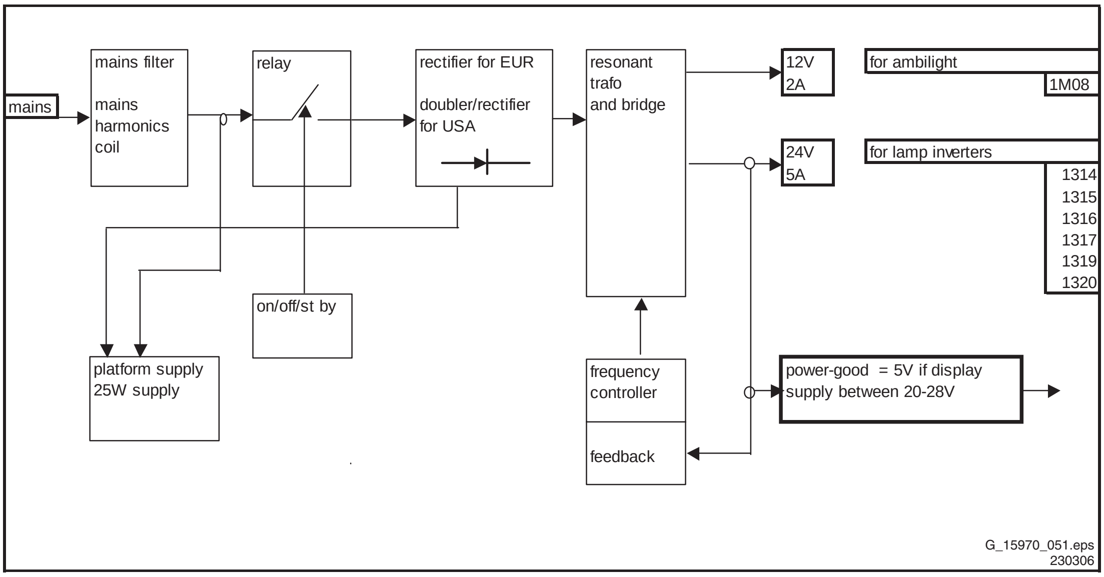

mains
mains filter
mains harmonics coil
relay
rectifier for EUR
doubler/rectifier for USA
resonant trafo and bridge
12V 2A
for ambilight
1M08
24V 5A
for lamp inverters
1314
1315
1316
1317
1319
1320
on/off/st by
platform supply 25W supply
frequency controller
feedback
power-good = 5V if display supply between 20-28V
G_15970_051.eps
230306

**Figure 9-5 Block diagram LCD Power Supply 37"**

***42” Sets***

For a detailed description of the Platform Supply Unit, refer to the BL2.xU AA Service Manual.

In addition, all 42” sets in this chassis come with an extra buy-in “Sanken” Display Supply Unit. These Supply Units are a “black box” for Service. When defective, first check if the main fuse of the supply is broken. Refer to section “Sanken Display Supply” in chapter 5 for details. Otherwise, a new panel must be ordered and after receipt, the defective panel must be sent for repair.

Two different set-specific “Sanken” Supply Units are used in this chassis.
- The 42PF9831/69 and 42PF9831D/10 (“Top A” sets) use a supply unit which delivers the following voltages to the chassis:

- +12 V DC
- +295 V DC
- +400 V DC

- The 42PF9641D/10 and 42PF9731D/10 (“Top B” and “Step 2k6” sets) use a supply unit which delivers the following voltages to the chassis:

- +12 V DC
- +24 V DC
- +400 V DC

Refer to the Spare Parts List for the correct order number.

## 9.3 Front-End

Main goal of the front-end module is to connect the host (core with source processing) with the outside world via an RF connector.

This chassis comes with three different front-end executions:

- For dual window DVB-T and analogue sets: two tuners (an analogue and a hybrid one).
- For non-dual window DVB-T sets: an empty analogue box and a hybrid tuner.
- For non-dual window analogue sets: only one analogue tuner.

### 9.3.1 Dual window applications (DVB-T and analogue sets)

The 37PF9731D/10 and 42PF9741D/10 digital (hybrid) sets and the 37PF9731/69 and 42PF9831/69 analogue sets use the UV1318ST analogue (sub)tuner **and** the TD1316AF hybrid (main)tuner. See figure “Block diagram dual window front-end (hybrid and analogue sets)” for details.

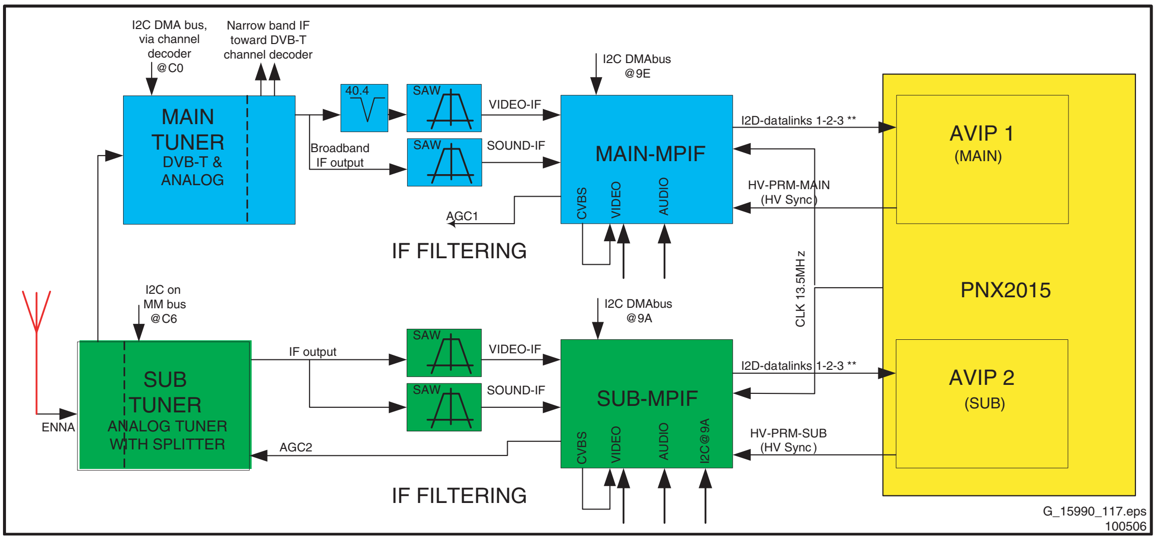

I2C DMA bus, via channel decoder @C0
Narrow band IF toward DVB-T channel decoder
MAIN TUNER DVB-T & ANALOG
40.4
SAW
VIDEO-IF
Broadband IF output
SAW
SOUND-IF
AGC1
I2C DMAbus @9E
MAIN-MPIF
CVBS
VIDEO
AUDIO
I2D-datalinks 1-2-3 **
HV-PRM-MAIN (HV Sync)
AVIP 1 (MAIN)
IF FILTERING
CLK 13.5MHz
PNX2015
I2C on MM bus @C6
I2C DMAbus @9A
ENNA
SUB TUNER ANALOG TUNER WITH SPLITTER
IF output
SAW
VIDEO-IF
SAW
SOUND-IF
AGC2
SUB-MPIF
CVBS
VIDEO
AUDIO
I2C@9A
I2D-datalinks 1-2-3 **
HV-PRM-SUB (HV Sync)
AVIP 2 (SUB)
IF FILTERING
G_15990_117.eps 100506

**Figure 9-6 Block diagram dual window front-end (hybrid and analogue sets)**

### 9.3.2 Non-dual window DVB-T applications

The 32PF9631D/10, 32PF9731D/10 and 42PF9641D/10 digital (hybrid) sets use the TD1316AF hybrid (main) tuner **and** an empty (dummy) tuner box (the UV1300T/1) as splitter. See figure “Block diagram non-dual window front-end (hybrid sets)” for details.

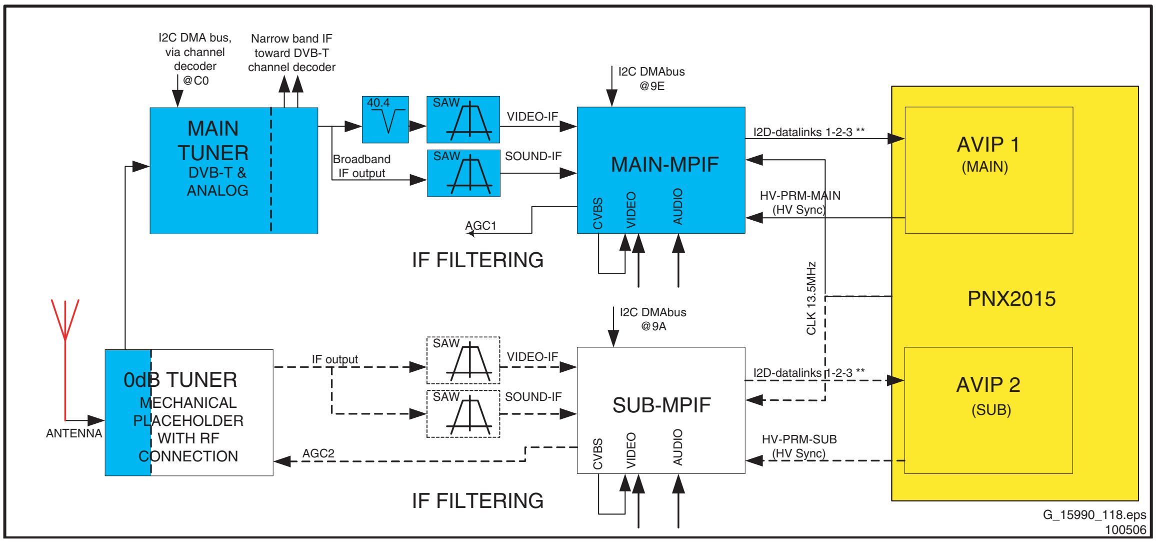

I2C DMA bus, via channel decoder @C0
Narrow band IF toward DVB-T channel decoder
MAIN TUNER DVB-T & ANALOG
40.4
SAW
SAW
VIDEO-IF
SOUND-IF
Broadband IF output
AGC1
I2C DMAbus @9E
MAIN-MPIF
CVBS
VIDEO
AUDIO
I2D-datalinks 1-2-3 **
HV-PRM-MAIN (HV Sync)
AVIP 1 (MAIN)
PNX2015
CLK 13.5MHz
IF FILTERING
ANTENNA
0dB TUNER MECHANICAL PLACEHOLDER WITH RF CONNECTION
IF output
SAW
SAW
VIDEO-IF
SOUND-IF
AGC2
I2C DMAbus @9A
SUB-MPIF
CVBS
VIDEO
AUDIO
I2D-datalinks 1-2-3 **
HV-PRM-SUB (HV Sync)
AVIP 2 (SUB)
IF FILTERING
G_15990_118.eps
100506

Figure 9-7 Block diagram non-dual window front-end (hybrid sets)

### 9.3.3 Non-dual window analogue applications

The 32PF9531/10 analogue set uses the UV1318ST analogue tuner. See figure “Block diagram non-dual window front-end (analogue sets)” for details.

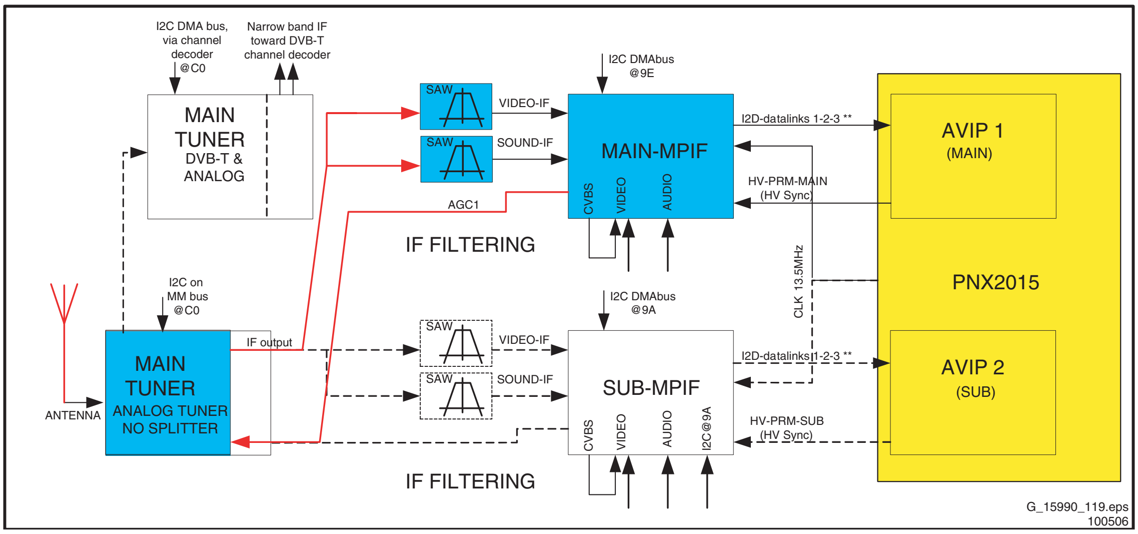

I2C DMA bus, via channel decoder @C0
Narrow band IF toward DVB-T channel decoder
MAIN TUNER DVB-T & ANALOG
SAW
SAW
VIDEO-IF
SOUND-IF
AGC1
I2C DMAbus @9E
MAIN-MPIF
CVBS
VIDEO
AUDIO
I2D-datalinks 1-2-3 **
HV-PRM-MAIN (HV Sync)
AVIP 1 (MAIN)
PNX2015
CLK 13.5MHz
IF FILTERING
I2C on MM bus @C0
ANTENNA
MAIN TUNER ANALOG TUNER NO SPLITTER
IF output
SAW
SAW
VIDEO-IF
SOUND-IF
I2C DMAbus @9A
SUB-MPIF
CVBS
VIDEO
AUDIO
I2C@9A
I2D-datalinks 1-2-3 **
HV-PRM-SUB (HV Sync)
AVIP 2 (SUB)
IF FILTERING
G_15990_119.eps
100506

Figure 9-8 Block diagram non-dual window front-end (analogue sets)

## 9.4 DC/DC Converters (SSB)

### 9.4.1 Introduction

The LCD Supply is the main power supply for this chassis. This Power Supply delivers the following supply voltages to the chassis:

- +12VS.
- +8V6.
- +5V2.
- +5V.

For a (more) detailed description of the on-board DC/DC converters refer to the BL2.x U Service Manual.

## 9.5 Inputs

For a (more) detailed description of the Inputs refer to the JL2.1E AA Service Manual.

## 9.6 Common Interface (CI)

For a (more) detailed description of the Common Interface refer to the BJ3.0E LA Service Manual.

## 9.7 MPIF (PNX 3000)

For a (more) detailed description of the Multi Platform Interface (MPIF; PNX 3000) converters see the BP2.xU Service Manual.

## 9.8 PNX2015

The functional blocks of the PNX2015 (item 7J00) are:

- Audio Video Input Processor (AVIP).
- 3D Comb Filter (COLUMBUS).
- High Definition MPEG Decoder (HD Subsystem).
- LVDS transmitter.
- Standby Processor for low-power control.

For a (more) detailed description of the PNX2015 refer to the BP2.xU Service Manual.

## 9.9 SPIDER (T6TE0TBG)

For a (more) detailed description of the SPIDER refer to the JL2.1E AA Service Manual.

## 9.10 VIPER 2 (PNX 8550)

The PNX8550 is a highly integrated media processor intended for deployment in analogue, digital, and hybrid TV receivers. It can be used for 100 Hz interlaced as well as 60 Hz progressive screens. It is fully capable of performing advanced video improvement algorithms, such as Digital Natural Motion™, on Standard Definition analogue or digital sources. It includes an HD capable de-interlacer for converting interlaced HD transmission signals to progressive output for driving wide-XGA class Plasma or LCD displays. Two 32-bit 240 MHz VLIW media processors, referred to as the TriMedia TM3260 CPU core, carry out the advanced video improvement processing as well as all audio operations. Fixed hardware functions perform stable core video functions, such as picture level MPEG2 decoding, scaling, image composition and pixel post processing.

The PNX8550 provides a primary digital (YUV or RGB) output to connect to the display specific output processor. In addition, a secondary analogue video output (CVBS or S-Video) for a VCR is available. This is the so-called DENC-out. It can operate either in analogue PAL/NTSC or digital mode.

For a (more) detailed description of the PNX8550 see the BP2.xU manual.

## 9.11 Back-end

In this chassis an FPGA (or EPLD or MOP) is used for AmbiLight processing and for addressing the LCD display.

The flow of signals varies with the different set executions. In general:

- In sets with an 1080p (full-HD) display, the video signal, coming from the Viper, is fed to an FPGA (the “Cyclone II”) and then flows into the Pacific 3.
- In some other sets (non full-HD) display, the video signal coming from the Viper directly flows into the Pacific 3. However, an FPGA (the “Spartan 3E”) is used to drive the AmbiLight units.
- In all other sets (non full-HD) display, no FPGA is used to drive the AmbiLight units and a microprocessor is used to drive the lamp units, as described in BJ3.0E LA manual.

In the next sections, the differences are further explained.

### 9.11.1 Display Control Full-HD sets

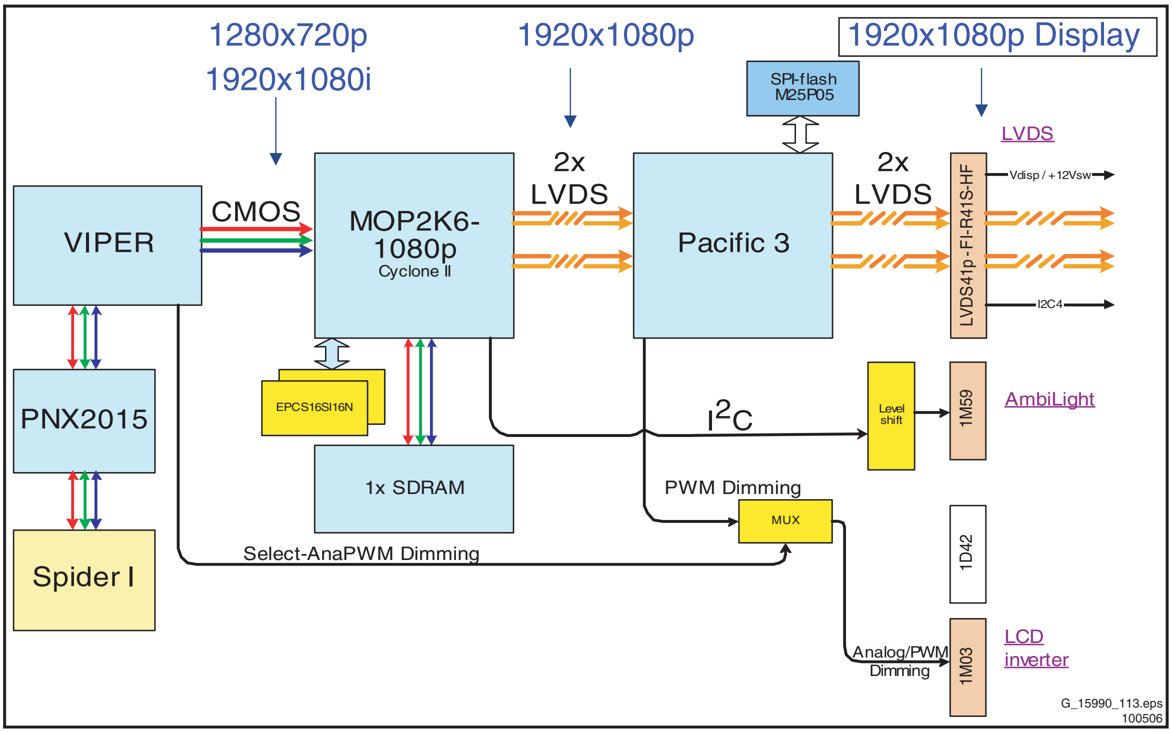


**Figure 9-9 Block diagram display control full-HD sets with FPGA**

In the full-HD sets, the video signal coming from the Viper is fed to the “Cyclone II” FPGA for further processing. The video signal coming from the MOP is fed to the Pacific 3 through an LVDS connection and then connected to the display. The MOP also drives the AmbiLight units through an I$^2$C connection. The Pacific 3 also generates the pulse-width modulated signal needed for the “Dimming Backlight” feature, which ensures additional motion sharpness. As some displays require an analogue signal to switch the LCD, a multiplexer is added to transform the pulse-width modulated signal. An additional signal, coming from the Viper, makes the selection between analogue and pulse-width modulation, depending on which display is used.
The MOP performs the following tasks:

- Scaling of input signals to output in case not an 1080i signal is received.
- Deinterlacing of input signals to output in case an 1080i signal is received.
- Additional sharpness improvement.
- AmbiLight drive (3 or 4 regions).
- Pattern generator.

The MOP interfaces:

- CMOS video input, and dual LVDS output.
- $I^2C$ output for driving the AmbiLight unit.
- Additional configuration flash memory.
- Field memory (SDRAM) for video processing part.

### 9.11.2 Display Control Non Full-HD sets with FPGA

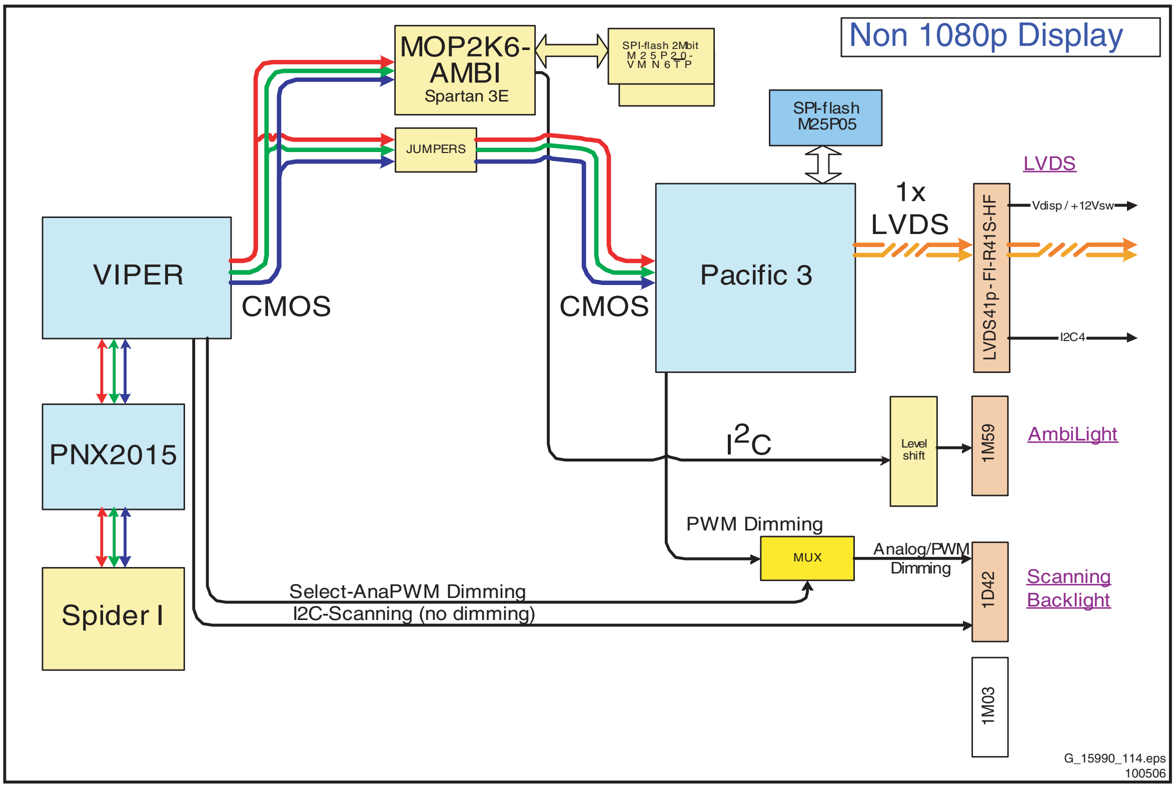

Non 1080p Display
MOP2K6-AMBI
Spartan 3E
SPI-flash 2Mbit
M25P20-VMN6TP
JUMPERS
SPI-flash
M25P05
VIPER
CMOS
CMOS
Pacific 3
1x LVDS
LVDS41p-FI-R41S-HF
LVDS
Vdisp / +12Vsw
I2C4
PNX2015
$I^2C$
Level shift
1M59
AmbiLight
PWM Dimming
MUX
Analog/PWM Dimming
1D42
Scanning Backlight
Select-AnaPWM Dimming
I2C-Scanning (no dimming)
Spider I
1M03
G_15990_114.eps
100506

**Figure 9-10 Block diagram display control non full-HD sets with FPGA**

In non full-HD sets with an FPGA, the video signal coming from the Viper is directly fed to the Pacific 3 through an CMOS connection. The FPGA however is used for AmbiLight processing through an $I^2C$ connection. The signal for Dimming Backlight is coming from the Pacific 3 and can be analogue or pulse-width modulated, depending on which display is used. The signal for Scanning Backlight is an $I^2C$ signal coming from Viper. The MOP interfaces:

- CMOS video input.
- $I^2C$ output for driving the AmbiLight unit.
- Additional configuration flash memory.

### 9.11.3 Display Control Non Full-HD sets without FPGA

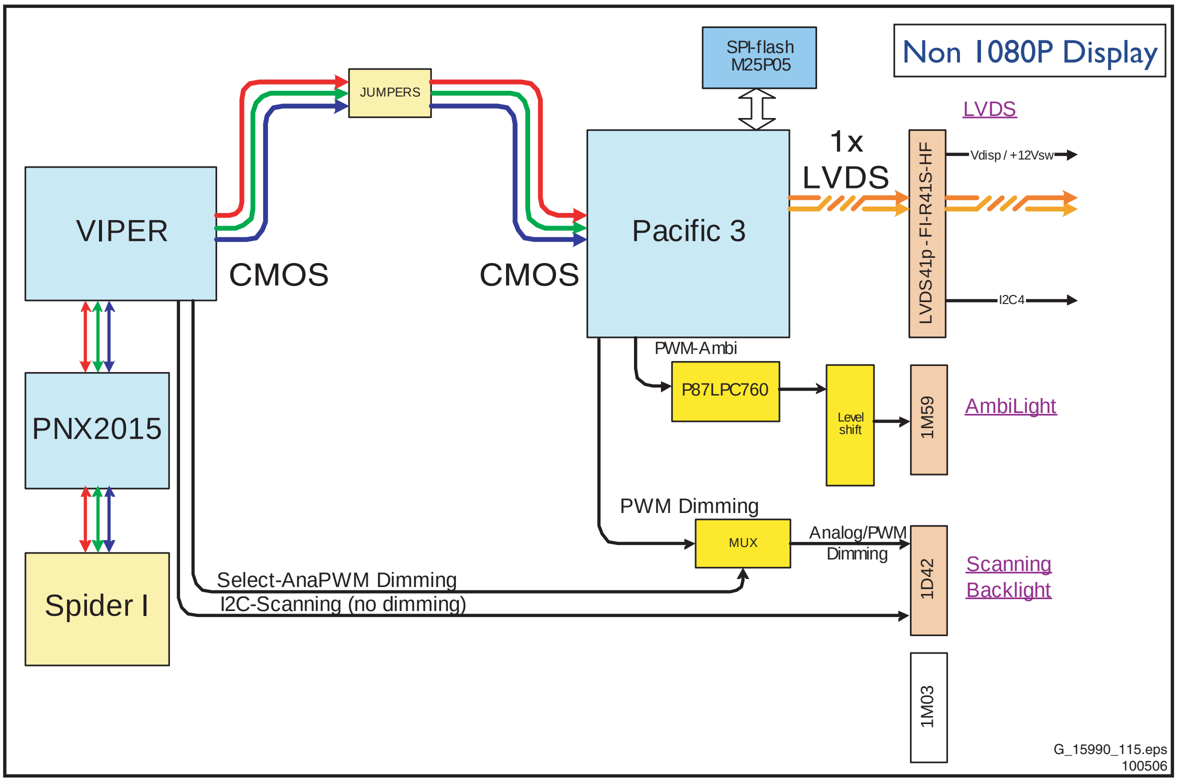

Non 1080P Display
SPI-flash
M25P05
JUMPERS
VIPER
CMOS
CMOS
Pacific 3
1x
LVDS
LVDS
LVDS41p-FI-R41S-HF
Vdisp / +12Vsw
I2C4
PNX2015
Spider I
PWM-Ambi
P87LPC760
Level shift
1M59
AmbiLight
PWM Dimming
MUX
Analog/PWM
Dimming
1D42
Scanning
Backlight
Select-AnaPWM Dimming
I2C-Scanning (no dimming)
1M03
G_15990_115.eps
100506

**Figure 9-11 Block diagram display control non full-HD sets without FPGA**

In non full-HD sets without an FPGA, the video signal coming from the Viper is again directly fed to the Pacific 3 through a CMOS connection. In this case the Pacific 3 drives the AmbiLight units and generates the pulse-width modulated signal needed for the “Dimming Backlight” feature. This configuration is also described in the BJ3.0x LA service manuals.

The Pacific performs the following tasks:

- Colour processing.
- Additional sharpness improvement.
- Backlight dimming.
- AmbiLight drive (2 regions).
- Display switch ON and OFF.
- Pattern generator.

The Pacific interfaces:

- CMOS video input, and LVDS video output.
- Backlight dimming is implemented through pulse-width modulated signal.
- AmbiLight driving is also implemented through pulse-width modulated signal.
- Additional configuration flash memory.

## 9.12 Ambient Light

For a (more) detailed description of the Inputs refer to the BP2.xU Service Manual.

## 9.13 Abbreviation List

| | |
|---|---|
| 0/6/12 | SCART switch control signal on A/V board. 0 = loop through (AUX to TV), 6 = play 16:9 format, 12 = play 4:3 format |
| 2DNR | Spatial (2D) Noise Reduction |
| 3DNR | Temporal (3D) Noise Reduction |
| AARA | Automatic Aspect Ratio Adaptation: algorithm that adapts aspect ratio to remove horizontal black bars; keeps the original aspect ratio |
| ACI | Automatic Channel Installation: algorithm that installs TV channels directly from a cable network by means of a predefined TXT page |
| ADC | Analogue to Digital Converter |
| AFC | Automatic Frequency Control: control signal used to tune to the correct frequency |
| AGC | Automatic Gain Control: algorithm that controls the video input of the feature box |
| AM | Amplitude Modulation |
| ANR | Automatic Noise Reduction: one of the algorithms of Auto TV |
| AP | Asia Pacific |
| AR | Aspect Ratio: 4 by 3 or 16 by 9 |
| ASF | Auto Screen Fit: algorithm that adapts aspect ratio to remove horizontal black bars without discarding video information |
| ATSC | Advanced Television Systems Committee, the digital TV standard in the USA |
| ATV | See Auto TV |
| Auto TV | A hardware and software control system that measures picture content, and adapts image parameters in a dynamic way |
| AV | External Audio Video |
| AVIP | Audio Video Input Processor |
| B/G | Monochrome TV system. Sound carrier distance is 5.5 MHz |
| BLR | Board-Level Repair |
| BTSC | Broadcast Television Standard Committee. Multiplex FM stereo sound system, originating from the USA and used e.g. in LATAM and AP-NTSC countries |
| B-TXT | Blue TeleteXT |
| C | Centre channel (audio) |
| CEC | Consumer Electronics Control bus: remote control bus on HDMI connections |
| CL | Constant Level: audio output to connect with an external amplifier |
| CLR | Component Level Repair |
| COLUMBUS | COlour LUMinance Baseband Universal Sub-system |
| ComPair | Computer aided rePair |
| CP | Connected Planet / Copy Protection |
| CSM | Customer Service Mode |
| CTI | Colour Transient Improvement: manipulates steepness of chroma transients |
| CVBS | Composite Video Blanking and Synchronization |
| DAC | Digital to Analogue Converter |
| DBE | Dynamic Bass Enhancement: extra low frequency amplification |
| DDC | See "E-DDC" |
| D/K | Monochrome TV system. Sound carrier distance is 6.5 MHz |
| DFU | Directions For Use: owner's manual |
| DMR | Digital Media Reader: card reader |
| DNR | Digital Noise Reduction: noise reduction feature of the set |
| DRAM | Dynamic RAM |
| DRM | Digital Rights Management |
| DSP | Digital Signal Processing |
| DST | Dealer Service Tool: special remote control designed for service technicians |
| DTCP | Digital Transmission Content Protection; A protocol for protecting digital audio/video content that is traversing a high speed serial bus, such as IEEE-1394 |
| DVD | Digital Versatile Disc |
| DVI(-d) | Digital Visual Interface (d= digital only) |
| E-DDC | Enhanced Display Data Channel (VESA standard for communication channel and display). Using E-DDC, the video source can read the EDID information form the display. |
| EDID | Extended Display Identification Data (VESA standard) |
| EEPROM | Electrically Erasable and Programmable Read Only Memory |
| EMI | Electro Magnetic Interference |
| EPLD | Erasable Programmable Logic Device |
| EU | Europe |
| EXT | EXTernal (source), entering the set by SCART or by cinches (jacks) |
| FBL | Fast BLanking: DC signal accompanying RGB signals |
| FDS | Full Dual Screen (same as FDW) |
| FDW | Full Dual Window (same as FDS) |
| FLASH | FLASH memory |
| FM | Field Memory or Frequency Modulation |
| FPGA | Field-Programmable Gate Array |
| FTV | Flat TeleVision |
| Gb/s | Giga bits per second |
| G-TXT | Green TeleteXT |
| H | H_sync to the module |
| HD | High Definition |
| HDD | Hard Disk Drive |
| HDCP | High-bandwidth Digital Content Protection: A "key" encoded into the HDMI/DVI signal that prevents video data piracy. If a source is HDCP coded and connected via HDMI/DVI without the proper HDCP decoding, the picture is put into a "snow vision" mode or changed to a low resolution. For normal content distribution the source and the display device must be enabled for HDCP "software key" decoding. |
| HDMI | High Definition Multimedia Interface |
| HP | HeadPhone |
| I | Monochrome TV system. Sound carrier distance is 6.0 MHz |
| I$^2$C | Inter IC bus |
| I$^2$D | Inter IC Data bus |
| I$^2$S | Inter IC Sound bus |
| IF | Intermediate Frequency |
| Interlaced | Scan mode where two fields are used to form one frame. Each field contains half the number of the total amount of lines. The fields are written in "pairs", causing line flicker. |
| IR | Infra Red |
| IRQ | Interrupt Request |
| ITU-656 | The ITU Radio communication Sector (ITU-R) is a standards body subcommittee of the International |

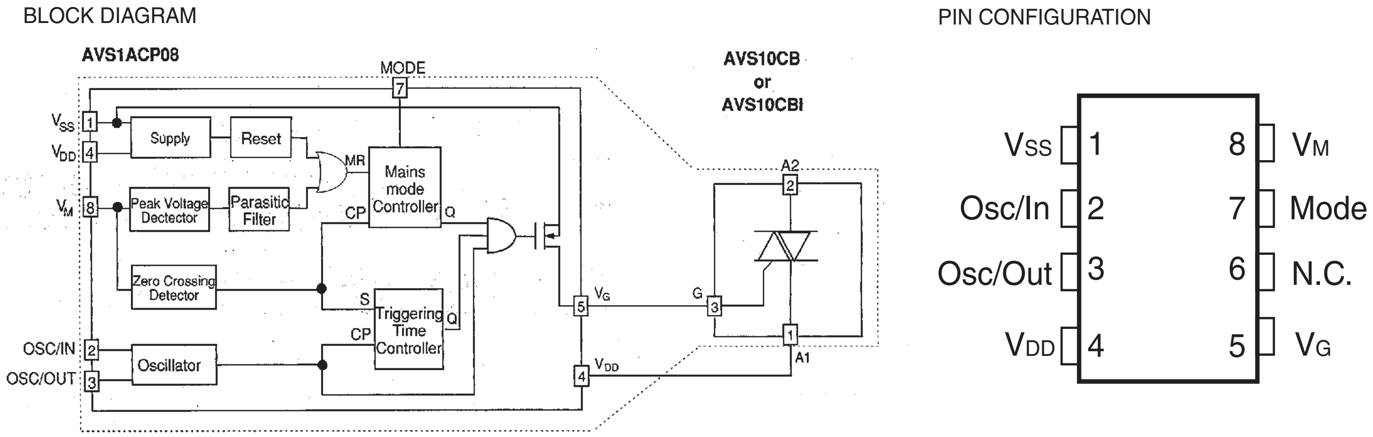
| | |
|---|---|
| | Telecommunication Union relating to radio communication. ITU-656 (a.k.a. SDI), is a digitized video format used for broadcast grade video. Uncompressed digital component or digital composite signals can be used. The SDI signal is self-synchronizing, uses 8 bit or 10 bit data words, and has a maximum data rate of 270 Mbit/s, with a minimum bandwidth of 135 MHz. |
| ITV | Institutional TeleVision; TV sets for hotels, hospitals etc. |
| JOP | Jaguar Output Processor |
| LS | Last Status; The settings last chosen by the customer and read and stored in RAM or in the NVM. They are called at start-up of the set to configure it according to the customer's preferences |
| LATAM | Latin America |
| LCD | Liquid Crystal Display |
| LED | Light Emitting Diode |
| L/L' | Monochrome TV system. Sound carrier distance is 6.5 MHz. L' is Band I, L is all bands except for Band I |
| LORE | LOcal REgression approximation noise reduction |
| LPL | LG.Philips LCD (supplier) |
| LS | Loudspeaker |
| LVDS | Low Voltage Differential Signalling |
| Mbps | Mega bits per second |
| M/N | Monochrome TV system. Sound carrier distance is 4.5 MHz |
| MIPS | Microprocessor without Interlocked Pipeline-Stages; A RISC-based microprocessor |
| MOP | Matrix Output Processor |
| MOSFET | Metal Oxide Silicon Field Effect Transistor, switching device |
| MPEG | Motion Pictures Experts Group |
| MPIF | Multi Platform InterFace |
| MUTE | MUTE Line |
| NC | Not Connected |
| NICAM | Near Instantaneous Compounded Audio Multiplexing. This is a digital sound system, mainly used in Europe. |
| NTC | Negative Temperature Coefficient, non-linear resistor |
| NTSC | National Television Standard Committee. Colour system mainly used in North America and Japan. Colour carrier NTSC M/N= 3.579545 MHz, NTSC 4.43= 4.433619 MHz (this is a VCR norm, it is not transmitted off-air) |
| NVM | Non-Volatile Memory: IC containing TV related data such as alignments |
| O/C | Open Circuit |
| OSD | On Screen Display |
| OTC | On screen display Teletext and Control; also called Artistic (SAA5800) |
| P50 | Project 50: communication protocol between TV and peripherals |
| PAL | Phase Alternating Line. Colour system mainly used in West Europe (colour carrier= 4.433619 MHz) and South America (colour carrier PAL M= 3.575612 MHz and PAL N= 3.582056 MHz) |
| PCB | Printed Circuit Board (same as "PWB") |
| PCM | Pulse Code Modulation |
| PDP | Plasma Display Panel |
| PFC | Power Factor Corrector (or Pre-conditioner) |
| PIP | Picture In Picture |
| PLL | Phase Locked Loop. Used for e.g. FST tuning systems. The customer can give directly the desired frequency |
| POR | Power On Reset, signal to reset the uP |
| Progressive Scan | Scan mode where all scan lines are displayed in one frame at the same time, creating a double vertical resolution. |
| PTC | Positive Temperature Coefficient, non-linear resistor |
| PWB | Printed Wiring Board (same as "PCB") |
| PWM | Pulse Width Modulation |
| QTNR | Quality Temporal Noise Reduction |
| QVCP | Quality Video Composition Processor |
| RAM | Random Access Memory |
| RGB | Red, Green, and Blue. The primary colour signals for TV. By mixing levels of R, G, and B, all colours (Y/C) are reproduced. |
| RC | Remote Control |
| RC5 / RC6 | Signal protocol from the remote control receiver |
| RESET | RESET signal |
| ROM | Read Only Memory |
| R-TXT | Red TeleteXT |
| SAM | Service Alignment Mode |
| S/C | Short Circuit |
| SCART | Syndicat des Constructeurs d'Appareils Radiorecepteurs et Televisieurs |
| SCL | Serial Clock I$^2$C |
| SCL-F | CLock Signal on Fast I$^2$C bus |
| SD | Standard Definition |
| SDA | Serial Data I$^2$C |
| SDA-F | DAta Signal on Fast I$^2$C bus |
| SDI | Serial Digital Interface, see “ITU-656” |
| SDRAM | Synchronous DRAM |
| SECAM | SEequence Couleur Avec Memoire. Colour system mainly used in France and East Europe. Colour carriers= 4.406250 MHz and 4.250000 MHz |
| SIF | Sound Intermediate Frequency |
| SMPS | Switched Mode Power Supply |
| SOG | Sync On Green |
| SOPS | Self Oscillating Power Supply |
| S/PDIF | Sony Philips Digital InterFace |
| SRAM | Static RAM |
| SSB | Small Signal Board |
| STBY | STand-BY |
| SVGA | 800x600 (4:3) |
| SVHS | Super Video Home System |
| SW | Software |
| SWAN | Spatial temporal Weighted Averaging Noise reduction |
| SXGA | 1280x1024 |
| TFT | Thin Film Transistor |
| THD | Total Harmonic Distortion |
| TMDS | Transmission Minimized Differential Signalling |
| TXT | TeleteXT |
| TXT-DW | Dual Window with TeleteXT |
| uP | Microprocessor |
| UXGA | 1600x1200 (4:3) |
| V | V-sync to the module |
| VCR | Video Cassette Recorder |
| VESA | Video Electronics Standards Association |
| VGA | 640x480 (4:3) |
| VL | Variable Level out: processed audio output toward external amplifier |
| VSB | Vestigial Side Band; modulation method |

| | |
|---|---|
| WYSIWYR | What You See Is What You Record: record selection that follows main picture and sound |
| WXGA | 1280x768 (15:9) |
| XTAL | Quartz crystal |
| XGA | 1024x768 (4:3) |
| Y | Luminance signal |
| Y/C | Luminance (Y) and Chrominance (C) signal |
| YPbPr | Component video. Luminance and scaled colour difference signals (B-Y and R-Y) |
| YUV | Component video |

## 9.14 IC Data Sheets

This section shows the internal block diagrams and pin configurations of ICs that are drawn as "black boxes" in the electrical diagrams (with the exception of "memory" and "logic" ICs).

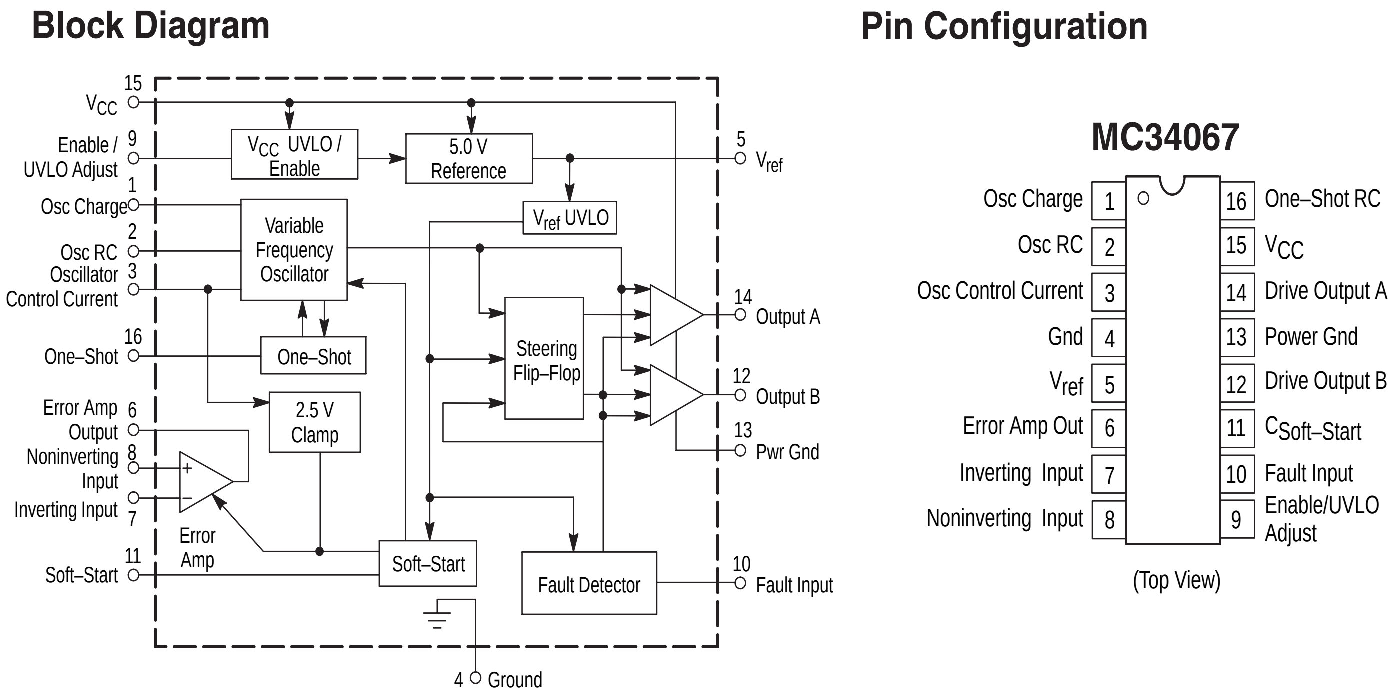
### 9.14.1 Diagram A1, AVS1ACP08 (IC 7805)


BLOCK DIAGRAM
AVS1ACP08
MODE
7
$V_{SS}$ 1
$V_{DD}$ 4
$V_M$ 8
Supply
Reset
MR
Mains mode Controller
Peak Voltage Dectector
Parasitic Filter
CP
Q
Zero Crossing Detector
S
CP
Triggering Time Controller
Q
OSC/IN 2
OSC/OUT 3
Oscillator
5 $V_G$
4 $V_{DD}$
AVS10CB or AVS10CBI
A2
2
G
3
1
A1
PIN CONFIGURATION
Vss 1
Osc/In 2
Osc/Out 3
VDD 4
8 VM
7 Mode
6 N.C.
5 VG

E_14620_145.eps
230905

**Figure 9-12 Internal block diagram and pin configuration**

### 9.14.2 Diagram A2, MC34067P (IC 7001)


Block Diagram
15 $V_{CC}$
9 Enable / UVLO Adjust
1 Osc Charge
2 Osc RC
3 Oscillator Control Current
16 One–Shot
6 Error Amp Output
8 Noninverting Input
7 Inverting Input
11 Soft–Start
$V_{CC}$ UVLO / Enable
5.0 V Reference
$V_{ref}$ UVLO
Variable Frequency Oscillator
One–Shot
2.5 V Clamp
Steering Flip–Flop
Error Amp
Soft–Start
Fault Detector
5 $V_{ref}$
14 Output A
12 Output B
13 Pwr Gnd
10 Fault Input
4 Ground
Pin Configuration
MC34067
Osc Charge 1
Osc RC 2
Osc Control Current 3
Gnd 4
$V_{ref}$ 5
Error Amp Out 6
Inverting Input 7
Noninverting Input 8
16 One–Shot RC
15 $V_{CC}$
14 Drive Output A
13 Power Gnd
12 Drive Output B
11 $C_{Soft–Start}$
10 Fault Input
9 Enable/UVLO Adjust
(Top View)

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230905

**Figure 9-13 Internal block diagram and pin configuration**

### 9.14.3 Diagram A3, TEA1506AT (IC7P27)

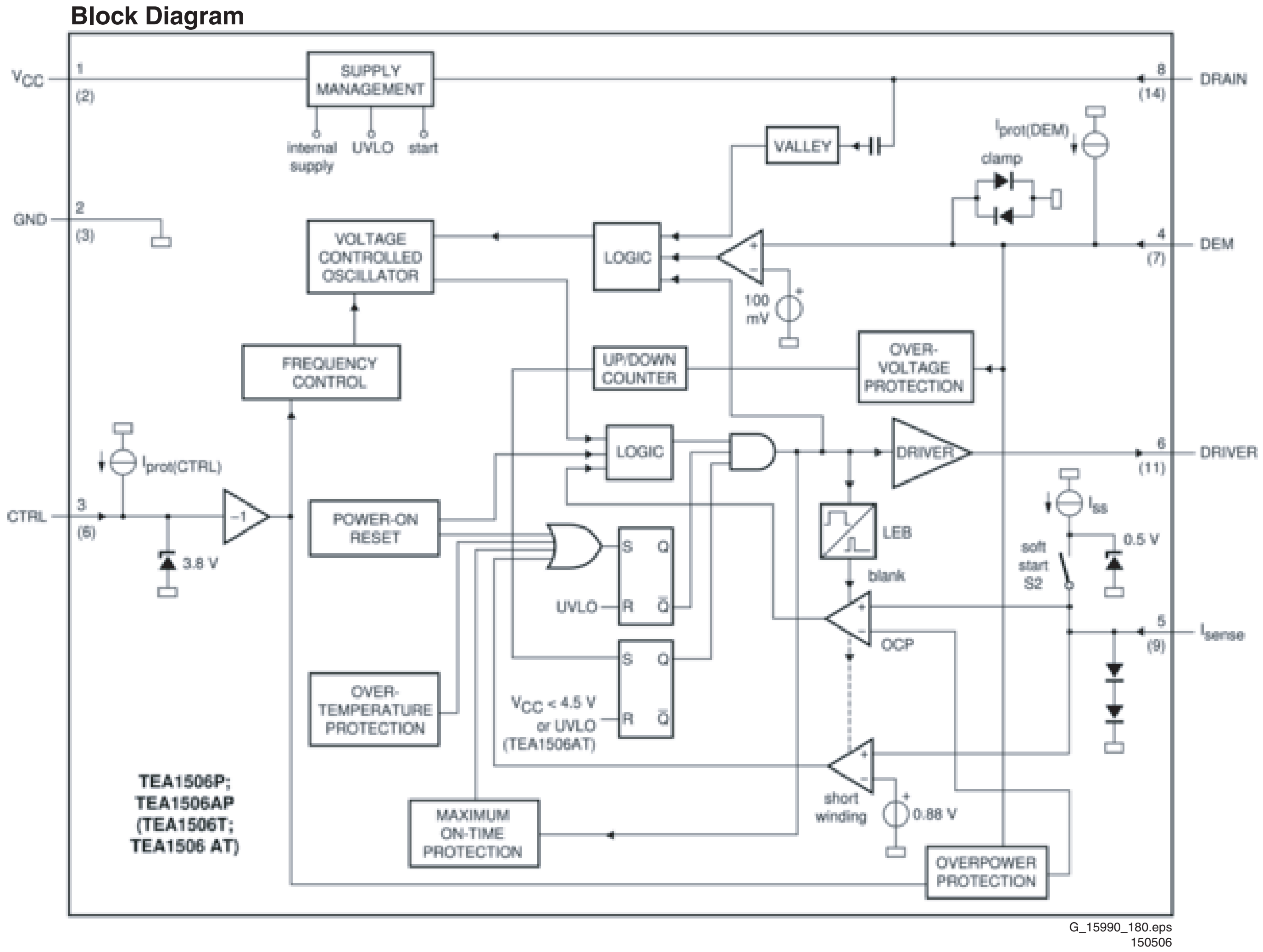
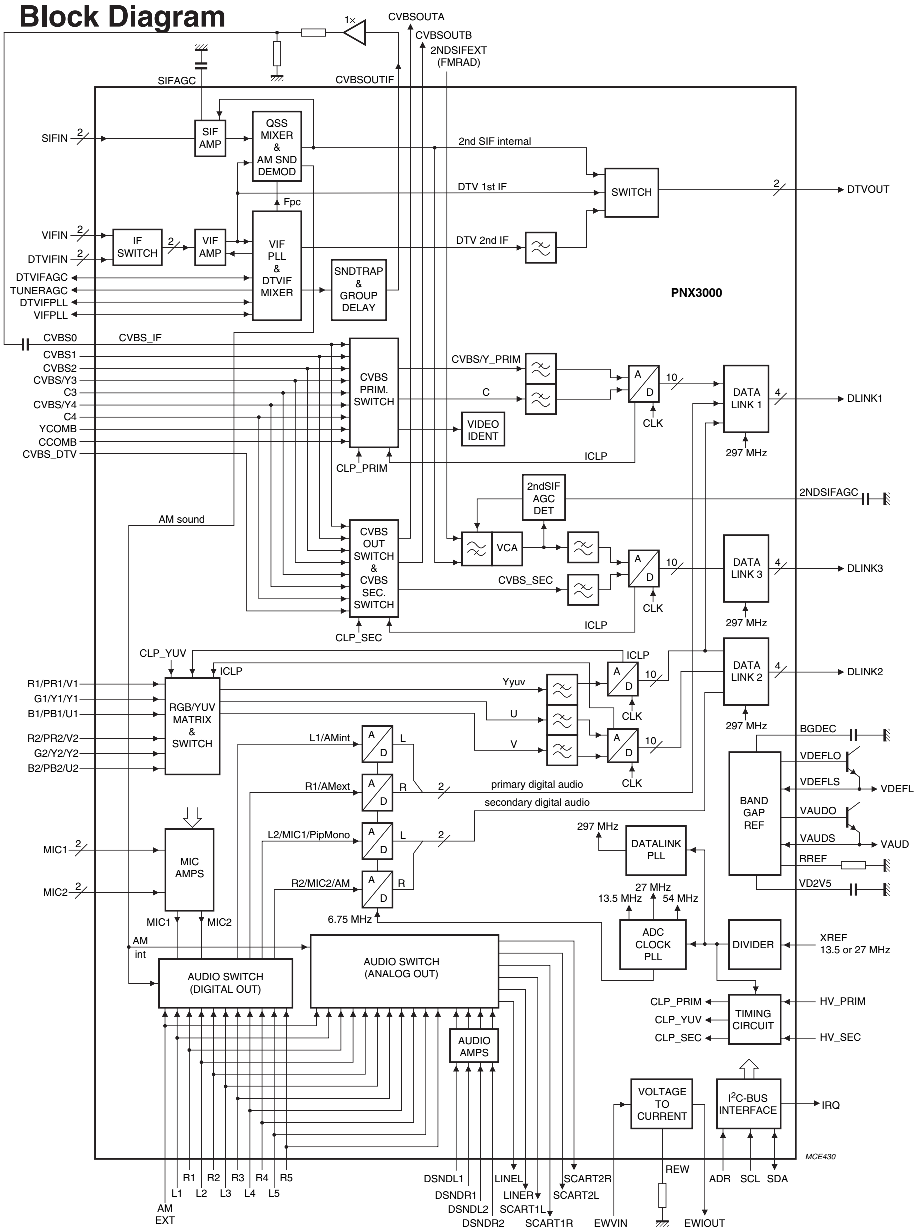

Block Diagram
$V_{CC}$
1
(2)
SUPPLY MANAGEMENT
internal supply
UVLO
start
8
(14)
DRAIN
VALLEY
$I_{prot(DEM)}$
clamp
GND
2
(3)
VOLTAGE CONTROLLED OSCILLATOR
LOGIC
100 mV
4
(7)
DEM
FREQUENCY CONTROL
UP/DOWN COUNTER
OVER-VOLTAGE PROTECTION
$I_{prot(CTRL)}$
LOGIC
DRIVER
6
(11)
DRIVER
CTRL
3
(6)
−1
3.8 V
POWER-ON RESET
LEB
$I_{ss}$
0.5 V
soft start S2
blank
S Q
UVLO R Q̄
OCP
5
(9)
$I_{sense}$
S Q
$V_{CC}$ < 4.5 V or UVLO (TEA1506AT) R Q̄
OVER-TEMPERATURE PROTECTION
short winding
0.88 V
TEA1506P; TEA1506AP (TEA1506T; TEA1506 AT)
MAXIMUM ON-TIME PROTECTION
OVERPOWER PROTECTION
G_15990_180.eps
150506

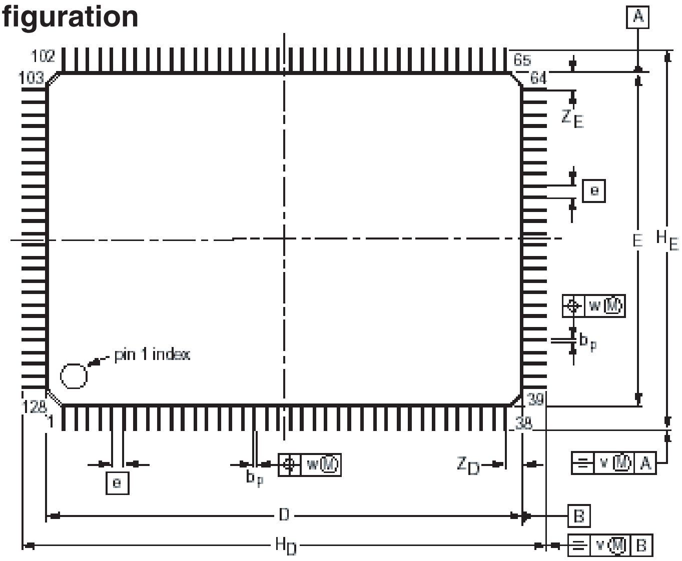
Figure 9-14 Internal block diagram

### 9.14.4 Diagram B4x, PNX3000HL (IC 7C00)

## Block Diagram


1×
CVBSOUTA
CVBSOUTB
2NDSIFEXT
(FMRAD)
SIFAGC
CVBSOUTIF
SIFIN
2
SIF
AMP
QSS
MIXER
&
AM SND
DEMOD
2nd SIF internal
SWITCH
DTVOUT
DTV 1st IF
Fpc
VIFIN
DTVIFIN
IF
SWITCH
VIF
AMP
VIF
PLL
&
DTVIF
MIXER
DTV 2nd IF
DTVIFAGC
TUNERAGC
DTVIFPLL
VIFPLL
SNDTRAP
&
GROUP
DELAY
PNX3000
CVBS0
CVBS_IF
CVBS1
CVBS2
CVBS/Y3
C3
CVBS/Y4
C4
YCOMB
CCOMB
CVBS_DTV
CVBS
PRIM.
SWITCH
CVBS/Y_PRIM
C
A
D
10
CLK
DATA
LINK 1
4
DLINK1
VIDEO
IDENT
ICLP
CLP_PRIM
297 MHz
2ndSIF
AGC
DET
2NDSIFAGC
AM sound
CVBS
OUT
SWITCH
&
CVBS
SEC.
SWITCH
VCA
CVBS_SEC
DATA
LINK 3
DLINK3
CLP_SEC
CLP_YUV
ICLP
R1/PR1/V1
G1/Y1/Y1
B1/PB1/U1
R2/PR2/V2
G2/Y2/Y2
B2/PB2/U2
RGB/YUV
MATRIX
&
SWITCH
Yyuv
U
V
DATA
LINK 2
DLINK2
BGDEC
VDEFLO
VDEFLS
VDEFL
VAUDO
VAUDS
VAUD
RREF
VD2V5
BAND
GAP
REF
L1/AMint
L
R1/AMext
R
primary digital audio
secondary digital audio
L2/MIC1/PipMono
R2/MIC2/AM
6.75 MHz
MIC1
MIC2
MIC
AMPS
297 MHz
DATALINK
PLL
27 MHz
13.5 MHz
54 MHz
ADC
CLOCK
PLL
DIVIDER
XREF
13.5 or 27 MHz
AM
int
AUDIO SWITCH
(DIGITAL OUT)
AUDIO SWITCH
(ANALOG OUT)
AUDIO
AMPS
CLP_PRIM
CLP_YUV
CLP_SEC
TIMING
CIRCUIT
HV_PRIM
HV_SEC
VOLTAGE
TO
CURRENT
I²C-BUS
INTERFACE
IRQ
MCE430
R1
R2
R3
R4
R5
L1
L2
L3
L4
L5
AM
EXT
DSNDL1
DSNDR1
DSNDL2
DSNDR2
LINEL
LINER
SCART1L
SCART1R
SCART2R
SCART2L
REW
EWVIN
EWIOUT
ADR
SCL
SDA

## Pin Configuration

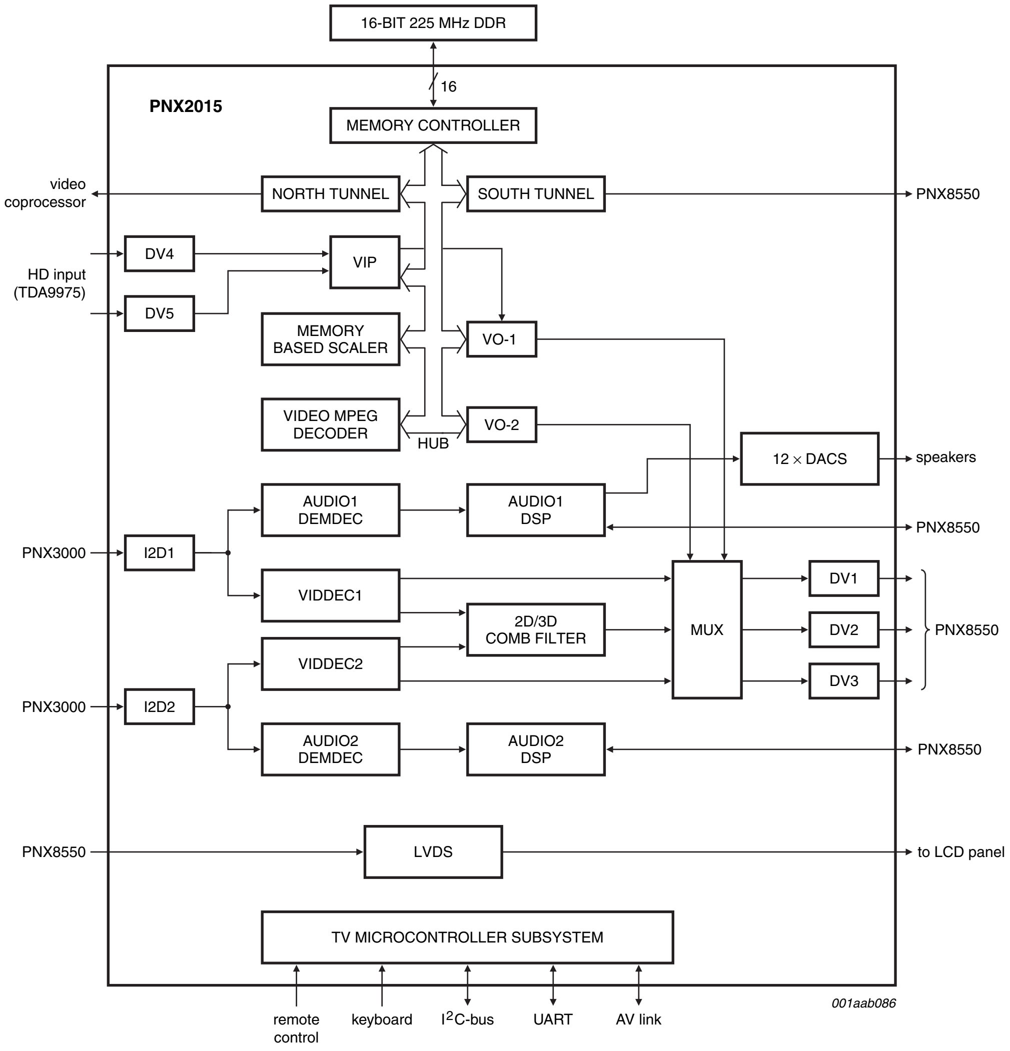

A
102
103
65
64
Z_E
e
E
H_E
w M
b_p
pin 1 index
128
1
39
38
e
b_p
w M
Z_D
v M A
D
B
H_D
v M B

F_15400_131.eps
240505

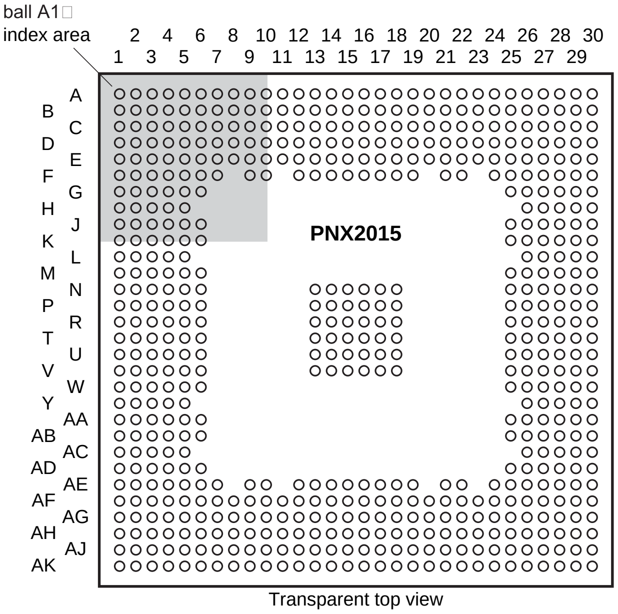
Figure 9-15 Internal block diagram and pin configuration

### 9.14.5 Diagram B4x, PNX2015E (IC 7J00)

## Block Diagram


16-BIT 225 MHz DDR
16
PNX2015
MEMORY CONTROLLER
video coprocessor
NORTH TUNNEL
SOUTH TUNNEL
PNX8550
HD input (TDA9975)
DV4
DV5
VIP
MEMORY BASED SCALER
VO-1
VIDEO MPEG DECODER
HUB
VO-2
12 × DACS
speakers
AUDIO1 DEMDEC
AUDIO1 DSP
PNX8550
PNX3000
I2D1
VIDDEC1
2D/3D COMB FILTER
MUX
DV1
DV2
DV3
PNX8550
VIDDEC2
PNX3000
I2D2
AUDIO2 DEMDEC
AUDIO2 DSP
PNX8550
PNX8550
LVDS
to LCD panel
TV MICROCONTROLLER SUBSYSTEM
remote control
keyboard
I2C-bus
UART
AV link
001aab086

## Pin Configuration


ball A1 index area
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29
A B C D E F G H J K L M N P R T U V W Y AA AB AC AD AE AF AG AH AJ AK
PNX2015
Transparent top view

F_15400_132.eps
240505

Figure 9-16 Internal block diagram and pin configuration

### 9.14.6 Diagram B6x, T6TE0TBG SPIDER (IC 7R00)

## Pin Configuration

| | A | B | C | D | E | F | G | H | J | K | L | M | N | P | R | T | U | V | W | Y | AA | AB | AC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | A23<br>RESET<br>SMTTIF | B23<br>TST1<br>TLCHTHIF | C23<br>TST2<br>TLCHTHIF | D23<br>TCK<br>SMTTIF | E23<br>SDA<br>WBDIICODIF | F23<br>TRST<br>TLCHTHIF | G23<br>TDO<br>BT16RIF | H23<br>INT<br>BT4RIF | J23<br>DDR_A3<br>Z7BSSTHC1 | K23<br>DDR_A2<br>Z7BSSTHC1 | L23<br>DDR_A1<br>Z7BSSTHC1 | M23<br>DDR_A0<br>Z7BSSTHC1 | N23<br>DDR_A11<br>Z7BSSTHC1 | P23<br>DDR_A8<br>Z7BSSTHC1 | R23<br>DDR_BA0<br>Z7BSSTHC1 | T23<br>DDR_RASN<br>Z7BSSTHC1 | U23<br>DDR_CASN<br>Z7BDSSTHC1 | V23<br>DDR_CKE<br>Z7BSSTHC1 | W23<br>DDR_CKI<br>Z7ISSTFC1 | Y23<br>DDR_LDQS<br>Z7BDSSTHC1 | AA23<br>DDR_CKN<br>Z7BSSTHC1 | | AC23<br>DDR_DQ1<br>Z7BDSSTHC1 |
| 22 | | B22<br>TST_OUT9<br>BT4RIF | C22<br>TST0<br>TLCHTHIF | D22<br>TST3<br>TLCHTHIF | E22<br>SCL<br>WBDIICODIF | F22<br>TMS<br>TLCHTHIF | G22<br>TDI<br>TLCHTHIF | | | K22<br>DDR_A4<br>Z7BSSTHC1 | L22<br>DDR_A5<br>Z7BSSTHC1 | M22<br>DDR_A6<br>Z7BSSTHC1 | N22<br>DDR_A7<br>Z7BSSTHC1 | P22<br>DDR_A10<br>Z7BSSTHC1 | R22<br>DDR_BA1<br>Z7BSSTHC1 | T22<br>DDR_A9<br>Z7BSSTHC1 | | V22<br>DDR_WEN<br>Z7BDSSTHC1 | | Y22<br>DDR_UDQS<br>Z7BDSSTHC1 | AA22<br>DDR_CK<br>Z7BDSSTHC1 | AB22<br>DDR_DQ0<br>Z7BDSSTHC1 | AC22<br>DDR_DQ3<br>Z7BDSSTHC1 |
| 21 | A21<br>TST_OUT6<br>BT4RIF | B21<br>TST_OUT7<br>BT4RIF | C21<br>TST_OUT8<br>BT4RIF | | | | | | | | | | | | | | | | | | | AB21<br>DDR_DQ2<br>Z7BDSSTHC1 | |
| 20 | A20<br>TST_OUT4<br>BT4RIF | B20<br>TST_OUT5<br>BT4RIF | | | | | | | | | | | | | | | | V20<br>DDR_VREF3<br>Z7VRSSTC1 | | | | AB20<br>DDR_DQ4<br>Z7BDSSTHC1 | AC20<br>DDR_DQ5<br>Z7BDSSTHC1 |
| 19 | A19<br>TST_OUT2<br>BT4RIF | B19<br>TST_OUT3<br>BT4RIF | | | | | | | | | | | | | | | | | | | AA19<br>DDR_VREF2<br>Z7VRSSTC1 | AB19<br>DDR_DQ6<br>Z7BDSSTHC1 | |
| 18 | A18<br>TST_OUT0<br>BT4RIF | B18<br>TST_OUT1<br>BT4RIF | | | | | | | | | | | | | | | | | | | | AB18<br>DDR_DQ7<br>Z7BDSSTHC1 | AC18<br>DDR_DQ8<br>Z7BDSSTHC1 |
| 17 | A17<br>TST_IN8<br>TLCHTHIF | B17<br>TST_IN9<br>TLCHTHIF | | | | | | | | | | | | | | | | | | | | AB17<br>DDR_DQ9<br>Z7BDSSTHC1 | AC17<br>DDR_DQ10<br>Z7BDSSTHC1 |
| 16 | A16<br>TST_IN7<br>TLCHTHIF | | | | | | | | | | | | | | | | | | | | | | |
| 15 | A15<br>TST_IN6<br>TLCHTHIF | B15<br>TST_IN5<br>TLCHTHIF | | | | | | | | | | | | | | | | | | | AA15<br>DDR_VREF1<br>Z7VRSSTC1 | AB15<br>DDR_DQ11<br>Z7BDSSTHC1 | AC15<br>DDR_DQ12<br>Z7BDSSTHC1 |
| 14 | A14<br>TST_IN4<br>TLCHTHIF | B14<br>TST_IN3<br>TLCHTHIF | | | | | | | | | | | | | | | | | | | | AB14<br>DDR_DQ13<br>Z7BDSSTHC1 | AC14<br>DDR_DQ14<br>Z7BDSSTHC1 |
| 13 | A13<br>TST_IN2<br>TLCHTHIF | B13<br>TST_IN1<br>TLCHTHIF | | | | | | | | | | | | | | | | | | | | | AC13<br>DDR_DQ15<br>Z7BDSSTHC1 |
| 12 | A12<br>TST_IN0<br>TLCHTHIF | B12<br>TUN_RX_DATA10<br>Z7ISSTFC1 | | | | | | | | | | **T6TE0TBG** | | | | | | | | | | | |
| 11 | | B11<br>TUN_RX_DATA8<br>Z7ISSTFC1 | | | | | | | | | | | | | | | | | | | | AB11<br>TST_IN10<br>TLCHTHIF | AC11<br>TST_IN11<br>TLCHTHIF |
| 10 | A10<br>TUN_RX_DATA15<br>Z7ISSTFC1 | B10<br>TUN_RX_BUSY<br>Z7BTSSTHC1 | | | | | | | | | | | | | | | | | | | | AB10<br>TST_IN12<br>TLCHTHIF | AC10<br>TST_IN13<br>TLCHTHIF |
| 9 | A9<br>TUN_RX_DATA14<br>Z7ISSTFC1 | B9<br>TUN_RX_DATA13<br>Z7ISSTFC1 | C9<br>TUN_RX_VREF1<br>Z7VRSSTC1 | | | | | | | | | | | | | | | | | | | AB9<br>TST_IN14<br>TLCHTHIF | AC9<br>TST_IN15<br>TLCHTHIF |
| 8 | | B8<br>TUN_RX_DATA12<br>Z7ISSTFC1 | | | | | | | | | | | | | | | | | | | | AB8<br>BISTEN<br>TLCHTHIF | AC8<br>DIODE_IN<br>ZETMDL |
| 7 | A7<br>TUN_RX_CKAN<br>Z7ISSTFC1 | B7<br>TUN_RX_DATA11<br>Z7ISSTFC1 | | | | | | | | | | | | | | | | | | | | AB7<br>TST_CLK0<br>TLCHTHIF | AC7<br>DIODE_OUT<br>ZETMDR |
| 6 | A6<br>TUN_RX_CKAP<br>Z7ISSTFC1 | B6<br>TUN_RX_DATA3<br>Z7ISSTFC1 | | D6<br>TUN_RX_VREF2<br>Z7VRSSTC1 | | | | | | | | | | | | | | | | | | AB6<br>TST_CLK1<br>TLCHTHIF | |
| 5 | A5<br>TUN_RX_DATA7<br>Z7ISSTFC1 | B5<br>TUN_RX_DATA6<br>Z7ISSTFC1 | | | | | | | | | | | | | | | | | | | | | AC5<br>TST_CLK2<br>TLCHTHIF |
| 4 | A4<br>TUN_RX_DATA5<br>Z7ISSTFC1 | | | | | | | | | | | | | | | | | | | | | AB4<br>SCLOUTP_PLL<br>ZEBDRV | AC4<br>SCLOUTN_PLL<br>ZEBDRV |
| 3 | A3<br>TUN_RX_DATA4<br>Z7ISSTFC1 | B3<br>TUN_RX_DATA9<br>Z7ISSTFC1 | | | | | | | | | | M3<br>TUN_TX_VREF1<br>Z7VRSSTC1 | | | | | | | | | AA3<br>TST_IN16<br>TLCHTHIF | | |
| 2 | A2<br>TUN_RX_DATA0<br>Z7ISSTFC1 | B2<br>TUN_RX_DATA1<br>Z7ISSTFC1 | C2<br>TUN_TX_DATA14<br>Z7BTSSTHC1 | D2<br>TUN_TX_DATA8<br>Z7BTSSTHC1 | | F2<br>TUN_TX_DATA5<br>Z7BTSSTHC1 | G2<br>TUN_TX_CKAP<br>Z7BTSSTHC1 | | J2<br>TUN_TX_DATA7<br>Z7BTSSTHC1 | K2<br>TUN_TX_DATA0<br>Z7BTSSTHC1 | | | N2<br>TUN_TX_DATA4<br>Z7BTSSTHC1 | P2<br>TST_PD<br>TLCHTHIF | R2<br>TST_OUT18<br>BT4RIF | T2<br>TST_OUT16<br>BT4RIF | U2<br>TST_OUT14<br>BT4RIF | V2<br>TST_OUT12<br>BT4RIF | W2<br>TST_OUT10<br>BT4RIF | Y2<br>CLK<br>TLCHTHIF | AA2<br>TST_IN19<br>TLCHTHIF | AB2<br>TST_IN17<br>TLCHTHIF | |
| 1 | A1<br>TUN_RX_DATA2<br>Z7ISSTFC1 | B1<br>TUN_TX_DATA12<br>Z7BTSSTHC1 | C1<br>TUN_TX_DATA15<br>Z7BTSSTHC1 | D1<br>TUN_TX_DATA13<br>Z7BTSSTHC1 | E1<br>TUN_TX_DATA10<br>Z7BTSSTHC1 | F1<br>TUN_TX_DATA9<br>Z7BTSSTHC1 | G1<br>TUN_TX_DATA11<br>Z7BTSSTHC1 | H1<br>TUN_TX_CKAN<br>Z7BTSSTHC1 | J1<br>TUN_TX_DATA3<br>Z7BTSSTHC1 | K1<br>TUN_TX_DATA6<br>Z7BTSSTHC1 | L1<br>TUN_TX_DATA1<br>Z7BTSSTHC1 | M1<br>TUN_TX_BUSY<br>Z7ISSTFC1 | N1<br>TUN_TX_DATA2<br>Z7BTSSTHC1 | P1<br>TST_SCAN_TUN<br>TLCHTHIF | R1<br>TST_OUT19<br>BT4RIF | T1<br>TST_OUT17<br>BT4RIF | U1<br>TST_OUT15<br>BT4RIF | V1<br>TST_OUT13<br>BT4RIF | W1<br>TST_OUT11<br>BT4RIF | Y1<br>TST_CLK3<br>TLCHTHIF | AA1<br>LFMONP_PLL<br>ZEBDRV | AB1<br>LFMONN_PLL<br>ZEBDRV | AC1<br>TST_IN18<br>TLCHTHIF |
| | A | B | C | D | E | F | G | H | J | K | L | M | N | P | R | T | U | V | W | Y | AA | AB | AC |

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120506

Figure 9-17 Pin configuration

### 9.14.7 Diagram B7x, PNX8550EH (IC 7V00)

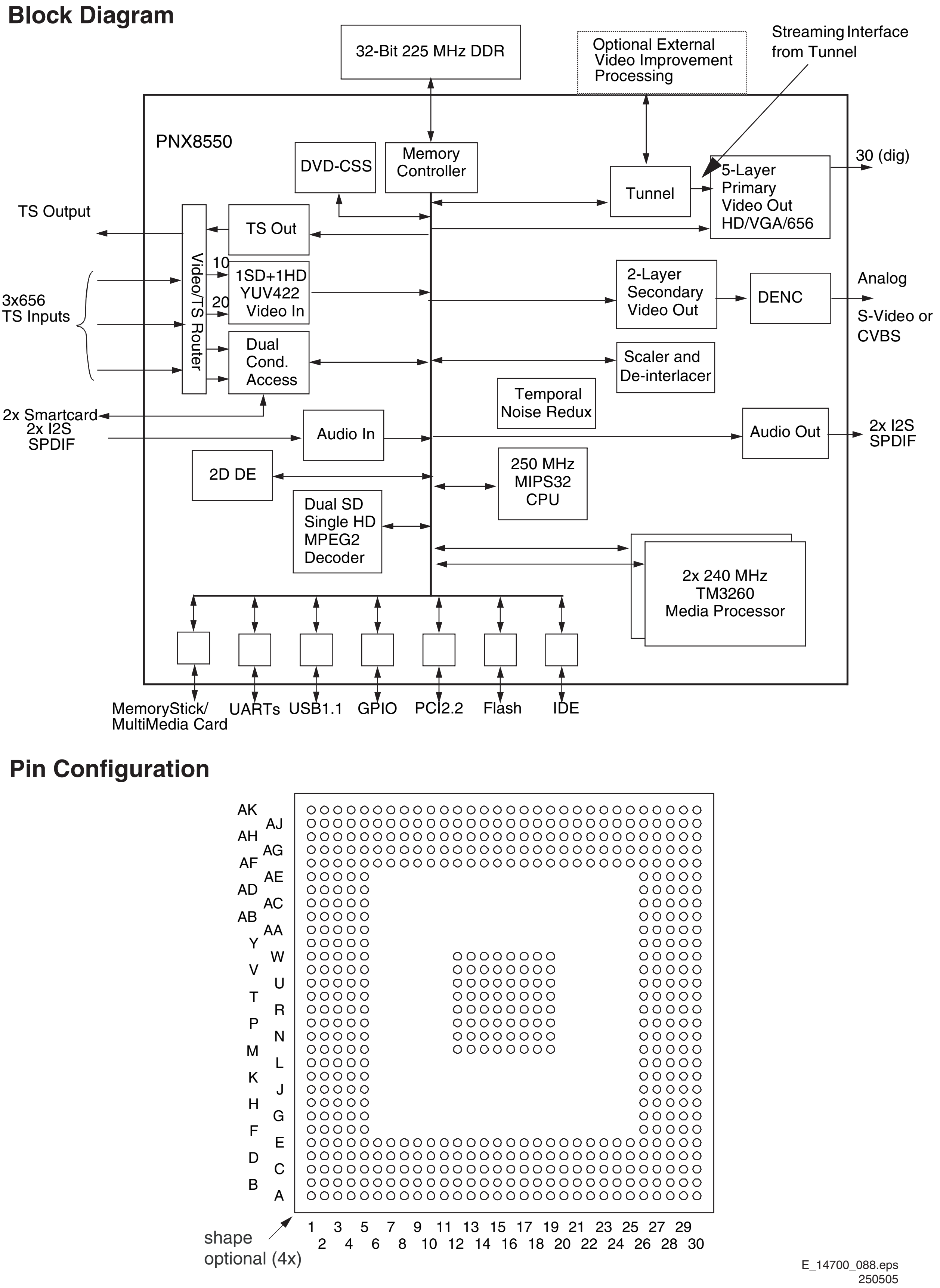
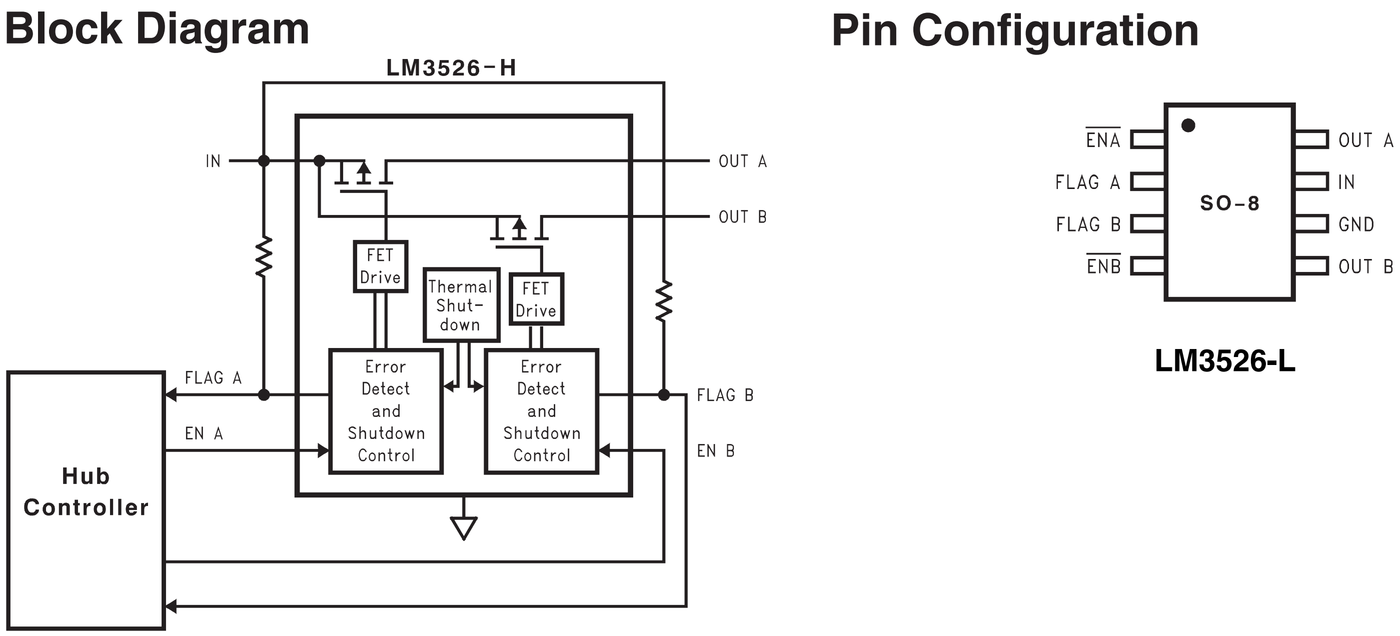

Block Diagram
32-Bit 225 MHz DDR
Optional External Video Improvement Processing
Streaming Interface from Tunnel
PNX8550
DVD-CSS
Memory Controller
Tunnel
5-Layer Primary Video Out HD/VGA/656
30 (dig)
TS Output
TS Out
Video/TS Router
10
20
1SD+1HD YUV422 Video In
3x656 TS Inputs
2-Layer Secondary Video Out
DENC
Analog
S-Video or CVBS
Dual Cond. Access
Scaler and De-interlacer
Temporal Noise Redux
2x Smartcard
2x I2S
SPDIF
Audio In
Audio Out
2x I2S
SPDIF
2D DE
250 MHz MIPS32 CPU
Dual SD Single HD MPEG2 Decoder
2x 240 MHz TM3260 Media Processor
MemoryStick/ MultiMedia Card
UARTs
USB1.1
GPIO
PCI2.2
Flash
IDE
Pin Configuration
AK AJ AH AG AF AE AD AC AB AA Y W V U T R P N M L K J H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
shape optional (4x)
E_14700_088.eps
250505

Figure 9-18 Internal block diagram and pin configuration

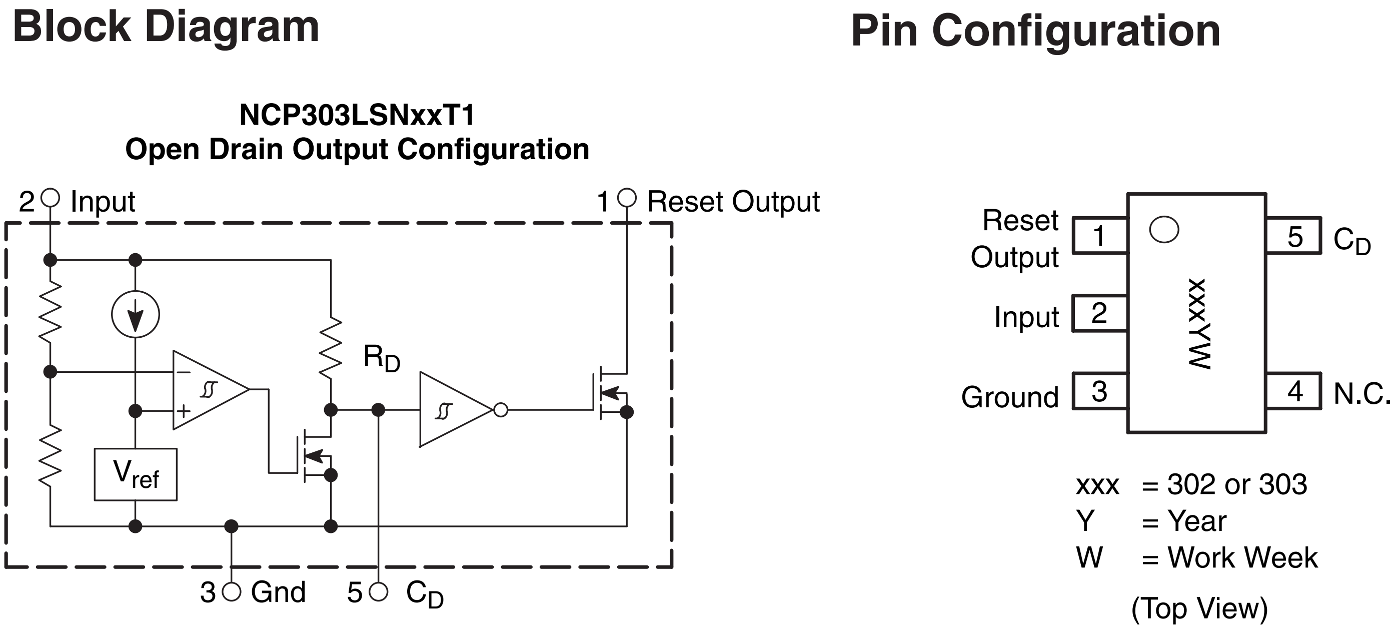
### 9.14.8 Diagram B7A, LM3526MX (IC 7Q01)


Block Diagram
LM3526-H
IN
OUT A
OUT B
FET Drive
Thermal Shut-down
FET Drive
Error Detect and Shutdown Control
Error Detect and Shutdown Control
FLAG A
EN A
FLAG B
EN B
Hub Controller
Pin Configuration
ENA
FLAG A
FLAG B
ENB
SO-8
OUT A
IN
GND
OUT B
LM3526-L

F_15400_134.eps
230905

Figure 9-19 Internal block diagram and pin configuration

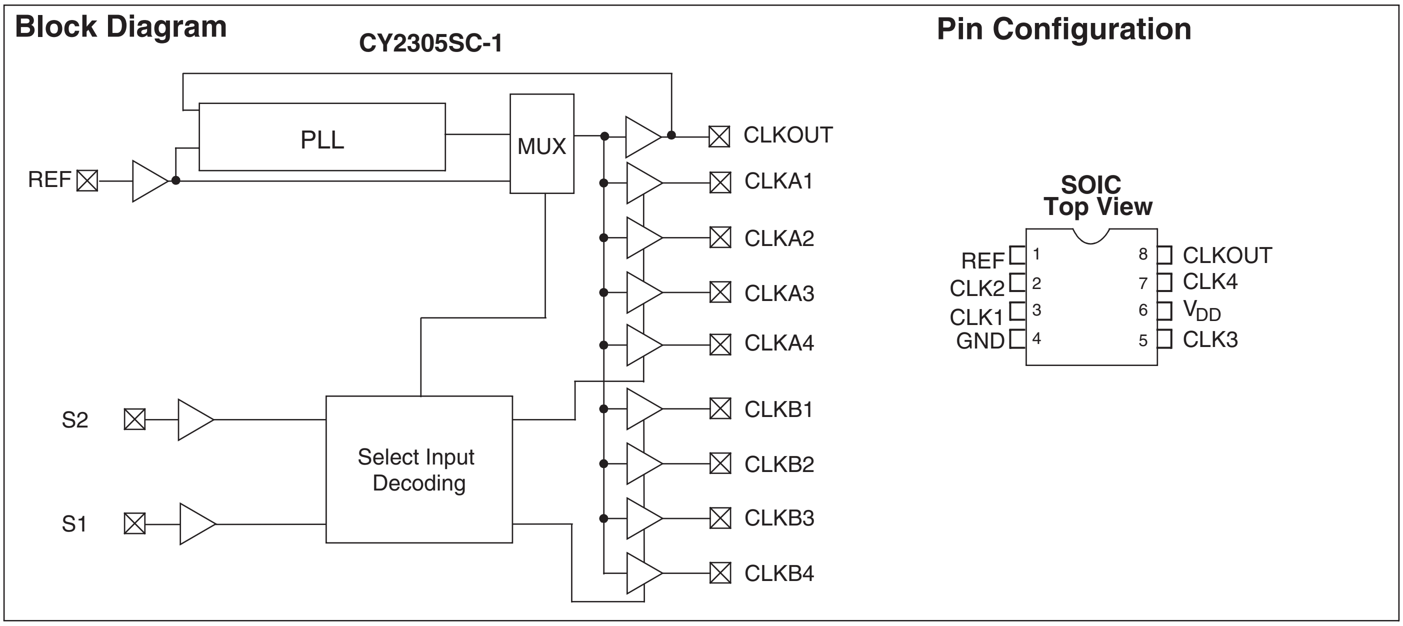
### 9.14.9 Diagram B8A, NCP303LSN (IC 7LB0 - 7LB4)


Block Diagram
NCP303LSNxxT1
Open Drain Output Configuration
2 Input
1 Reset Output
$R_D$
$V_{ref}$
3 Gnd
5 $C_D$
Pin Configuration
Reset Output 1
Input 2
Ground 3
5 $C_D$
4 N.C.
xxxYW
xxx = 302 or 303
Y = Year
W = Work Week
(Top View)

F_15400_133.eps
230905

Figure 9-20 Internal block diagram and pin configuration

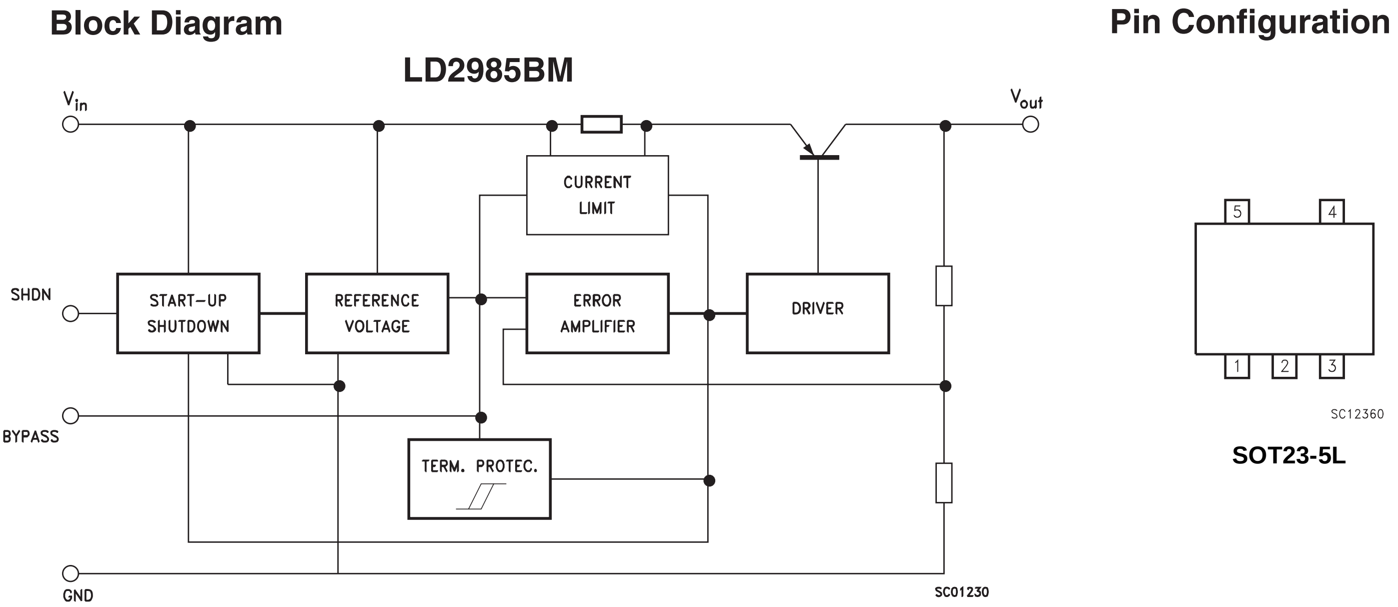
### 9.14.10 Diagram B8B, CY2305SC-1 (IC 7J08)


Block Diagram
CY2305SC-1
PLL
MUX
REF
CLKOUT
CLKA1
CLKA2
CLKA3
CLKA4
CLKB1
CLKB2
CLKB3
CLKB4
S2
S1
Select Input Decoding
Pin Configuration
SOIC
Top View
REF 1
CLK2 2
CLK1 3
GND 4
8 CLKOUT
7 CLK4
6 $V_{DD}$
5 CLK3

E_14620_146.eps
241004

Figure 9-21 Internal block diagram and pin configuration

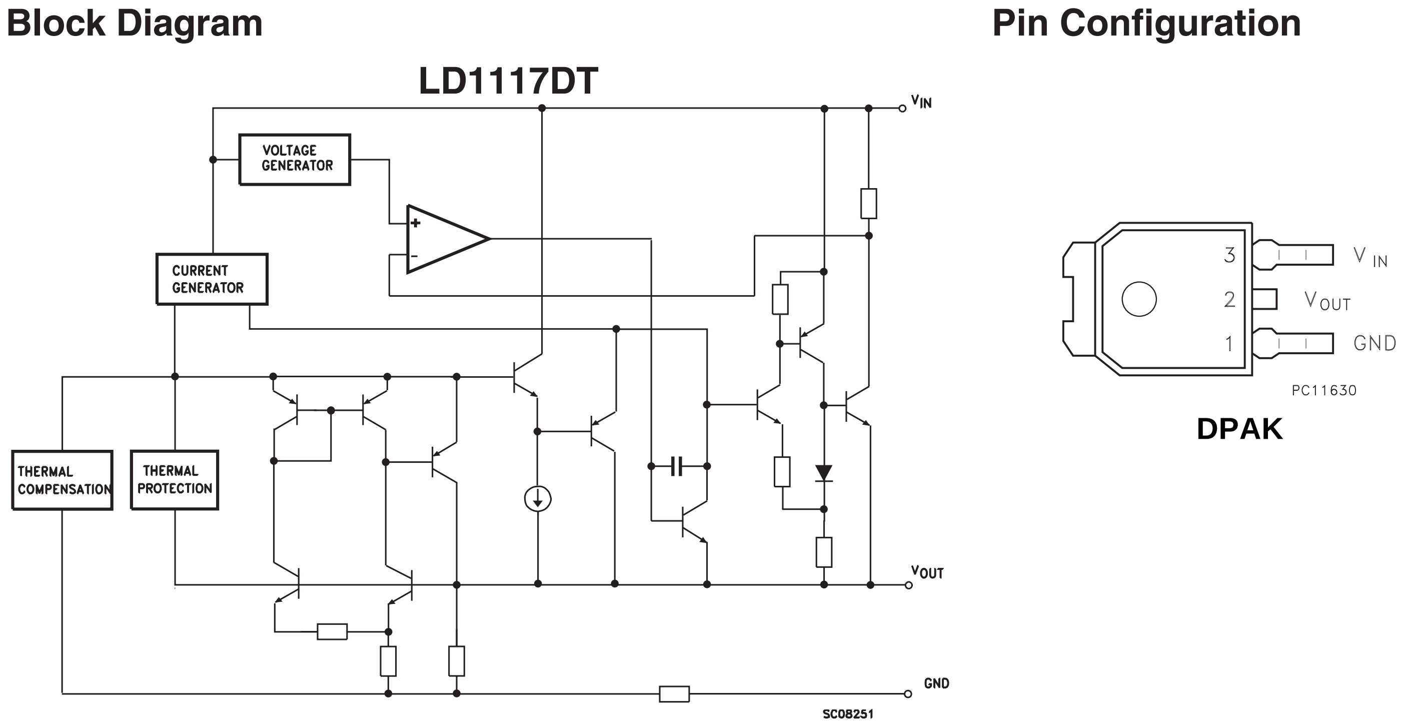
### 9.14.11 Diagram B9A, LD2985BM (IC 7G00)


Block Diagram
LD2985BM
$V_{in}$
$V_{out}$
CURRENT LIMIT
SHDN
START–UP SHUTDOWN
REFERENCE VOLTAGE
ERROR AMPLIFIER
DRIVER
BYPASS
TERM. PROTEC.
GND
SC01230
Pin Configuration
5
4
1
2
3
SC12360
SOT23-5L

F_15710_165.eps
230905

Figure 9-22 Internal block diagram and pin configuration

### 9.14.12 Diagram B9A, LD1117DT (IC7G01)


Block Diagram
Pin Configuration
LD1117DT
VIN
VOLTAGE GENERATOR
+
-
CURRENT GENERATOR
THERMAL COMPENSATION
THERMAL PROTECTION
VOUT
GND
SC08251
3
2
1
V IN
V OUT
GND
PC11630
DPAK

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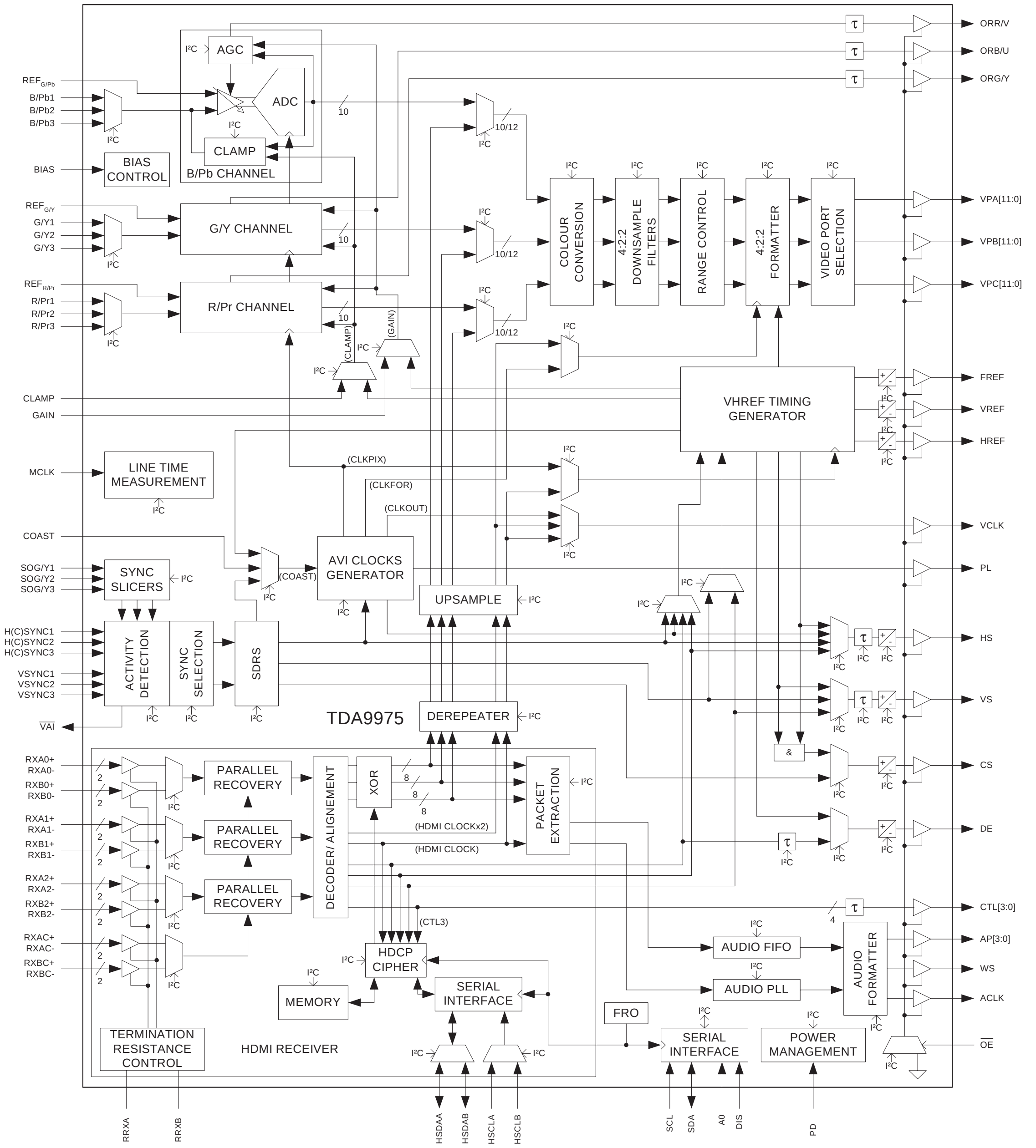
230905

Figure 9-23 Internal block diagram and pin configuration

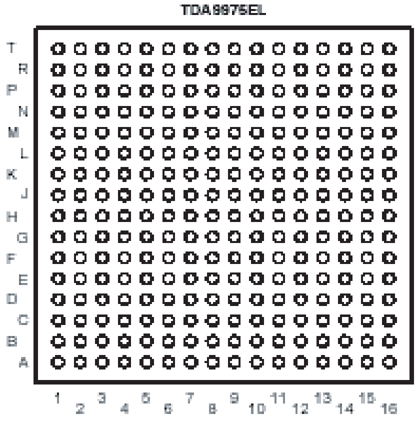
### 9.14.13 Diagram B11B & B11C, TDA9975EL (IC 7B11)

## Block Diagram



REFG/Pb
B/Pb1
B/Pb2
B/Pb3
BIAS
REFG/Y
G/Y1
G/Y2
G/Y3
REFR/Pr
R/Pr1
R/Pr2
R/Pr3
CLAMP
GAIN
MCLK
COAST
SOG/Y1
SOG/Y2
SOG/Y3
H(C)SYNC1
H(C)SYNC2
H(C)SYNC3
VSYNC1
VSYNC2
VSYNC3
VAI
RXA0+
RXA0-
RXB0+
RXB0-
RXA1+
RXA1-
RXB1+
RXB1-
RXA2+
RXA2-
RXB2+
RXB2-
RXAC+
RXAC-
RXBC+
RXBC-
I²C
AGC
ADC
CLAMP
B/Pb CHANNEL
BIAS CONTROL
G/Y CHANNEL
R/Pr CHANNEL
10
10/12
(CLAMP)
(GAIN)
COLOUR CONVERSION
4:2:2 DOWNSAMPLE FILTERS
RANGE CONTROL
4:2:2 FORMATTER
VIDEO PORT SELECTION
VHREF TIMING GENERATOR
LINE TIME MEASUREMENT
(CLKPIX)
(CLKFOR)
(CLKOUT)
SYNC SLICERS
(COAST)
AVI CLOCKS GENERATOR
UPSAMPLE
ACTIVITY DETECTION
SYNC SELECTION
SDRS
TDA9975
DEREPEATER
PARALLEL RECOVERY
DECODER/ ALIGNEMENT
XOR
PACKET EXTRACTION
8
(HDMI CLOCKx2)
(HDMI CLOCK)
(CTL3)
HDCP CIPHER
MEMORY
SERIAL INTERFACE
FRO
AUDIO FIFO
AUDIO PLL
AUDIO FORMATTER
POWER MANAGEMENT
TERMINATION RESISTANCE CONTROL
HDMI RECEIVER
&
τ
ORR/V
ORB/U
ORG/Y
VPA[11:0]
VPB[11:0]
VPC[11:0]
FREF
VREF
HREF
VCLK
PL
HS
VS
CS
DE
CTL[3:0]
AP[3:0]
WS
ACLK
OE
RRXA
RRXB
HSDAA
HSDAB
HSCLA
HSCLB
SCL
SDA
A0
DIS
PD

## Pin Configuration



TDA9975EL
T
R
P
N
M
L
K
J
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

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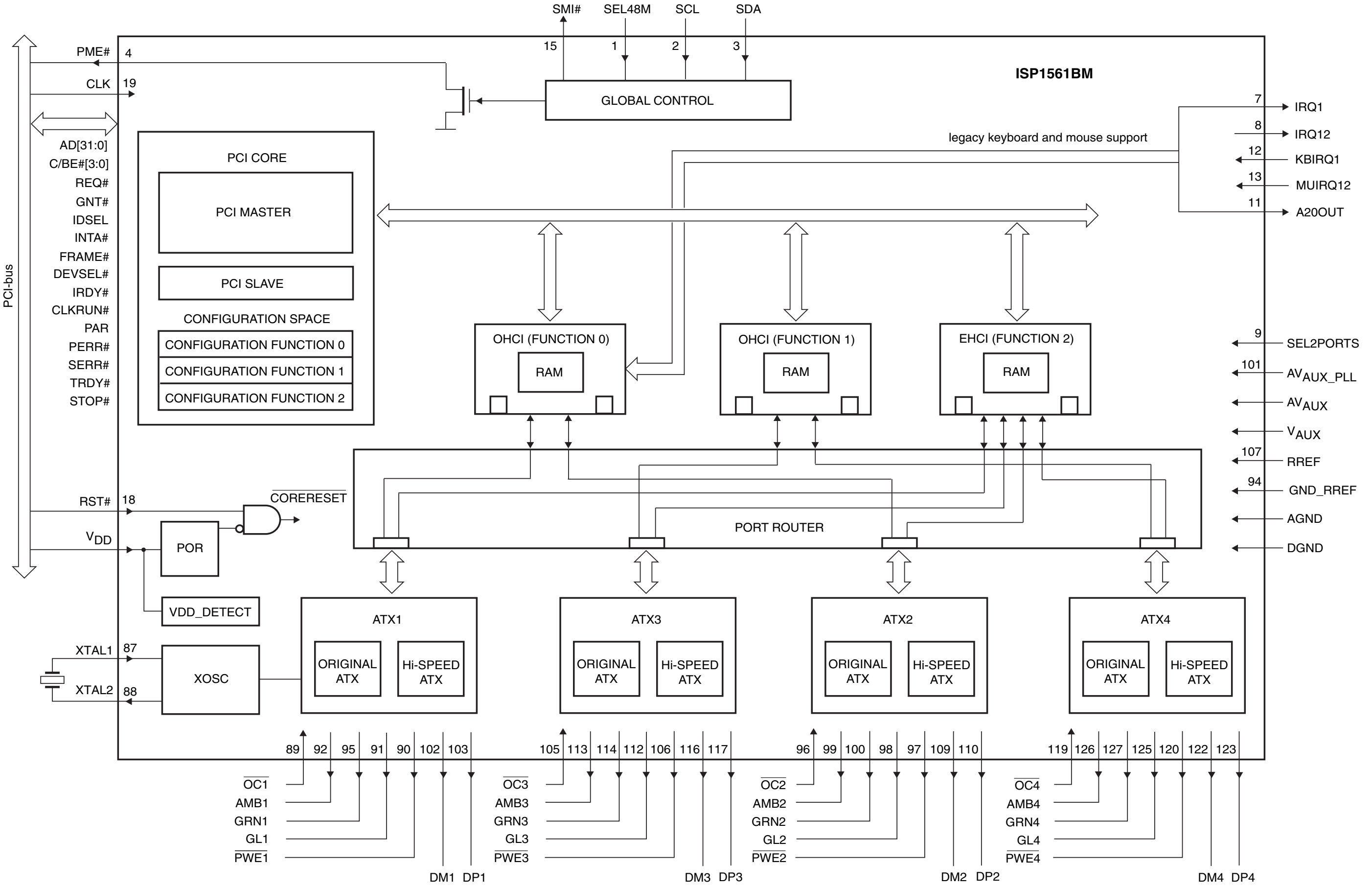
240505

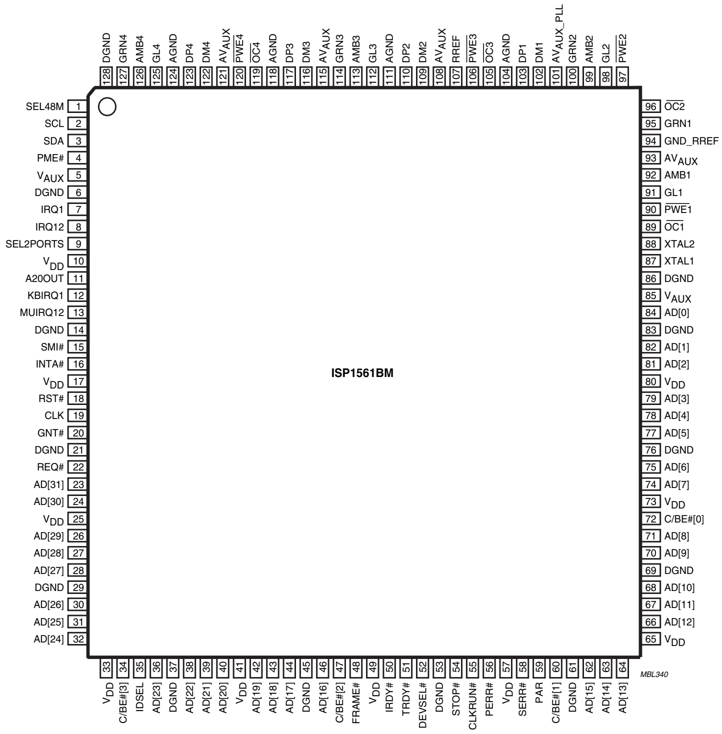
Figure 9-24 Internal block diagram and pin configuration

### 9.14.14 Diagram B13A, ISP1561BM (IC 7N00)

## Block Diagram


SMI#
SEL48M
SCL
SDA
15
1
2
3
ISP1561BM
GLOBAL CONTROL
PME# 4
CLK 19
PCI-bus
AD[31:0]
C/BE#[3:0]
REQ#
GNT#
IDSEL
INTA#
FRAME#
DEVSEL#
IRDY#
CLKRUN#
PAR
PERR#
SERR#
TRDY#
STOP#
PCI CORE
PCI MASTER
PCI SLAVE
CONFIGURATION SPACE
CONFIGURATION FUNCTION 0
CONFIGURATION FUNCTION 1
CONFIGURATION FUNCTION 2
legacy keyboard and mouse support
7 IRQ1
8 IRQ12
12 KBIRQ1
13 MUIRQ12
11 A20OUT
OHCI (FUNCTION 0)
OHCI (FUNCTION 1)
EHCI (FUNCTION 2)
RAM
RAM
RAM
9 SEL2PORTS
101 AV<sub>AUX_PLL</sub>
AV<sub>AUX</sub>
V<sub>AUX</sub>
107 RREF
94 GND_RREF
AGND
DGND
RST# 18
CORERESET
V<sub>DD</sub>
POR
PORT ROUTER
VDD_DETECT
XTAL1 87
XTAL2 88
XOSC
ATX1
ATX3
ATX2
ATX4
ORIGINAL ATX
Hi-SPEED ATX
89 92 95 91 90 102 103
105 113 114 112 106 116 117
96 99 100 98 97 109 110
119 126 127 125 120 122 123
OC1
AMB1
GRN1
GL1
PWE1
DM1 DP1
OC3
AMB3
GRN3
GL3
PWE3
DM3 DP3
OC2
AMB2
GRN2
GL2
PWE2
DM2 DP2
OC4
AMB4
GRN4
GL4
PWE4
DM4 DP4

## Pin Configuration


ISP1561BM
MBL340
1 SEL48M
2 SCL
3 SDA
4 PME#
5 V<sub>AUX</sub>
6 DGND
7 IRQ1
8 IRQ12
9 SEL2PORTS
10 V<sub>DD</sub>
11 A20OUT
12 KBIRQ1
13 MUIRQ12
14 DGND
15 SMI#
16 INTA#
17 V<sub>DD</sub>
18 RST#
19 CLK
20 GNT#
21 DGND
22 REQ#
23 AD[31]
24 AD[30]
25 V<sub>DD</sub>
26 AD[29]
27 AD[28]
28 AD[27]
29 DGND
30 AD[26]
31 AD[25]
32 AD[24]
33 V<sub>DD</sub>
34 C/BE#[3]
35 IDSEL
36 AD[23]
37 DGND
38 AD[22]
39 AD[21]
40 AD[20]
41 V<sub>DD</sub>
42 AD[19]
43 AD[18]
44 AD[17]
45 DGND
46 AD[16]
47 C/BE#[2]
48 FRAME#
49 V<sub>DD</sub>
50 IRDY#
51 TRDY#
52 DEVSEL#
53 DGND
54 STOP#
55 CLKRUN#
56 PERR#
57 V<sub>DD</sub>
58 SERR#
59 PAR
60 C/BE#[1]
61 DGND
62 AD[15]
63 AD[14]
64 AD[13]
65 V<sub>DD</sub>
66 AD[12]
67 AD[11]
68 AD[10]
69 DGND
70 AD[9]
71 AD[8]
72 C/BE#[0]
73 V<sub>DD</sub>
74 AD[7]
75 AD[6]
76 DGND
77 AD[5]
78 AD[4]
79 AD[3]
80 V<sub>DD</sub>
81 AD[2]
82 AD[1]
83 DGND
84 AD[0]
85 V<sub>AUX</sub>
86 DGND
87 XTAL1
88 XTAL2
89 OC1
90 PWE1
91 GL1
92 AMB1
93 AV<sub>AUX</sub>
94 GND_RREF
95 GRN1
96 OC2
97 PWE2
98 GL2
99 AMB2
100 GRN2
101 AV<sub>AUX_PLL</sub>
102 DM1
103 DP1
104 AGND
105 OC3
106 PWE3
107 RREF
108 AV<sub>AUX</sub>
109 DM2
110 DP2
111 AGND
112 GL3
113 AMB3
114 GRN3
115 AV<sub>AUX</sub>
116 DM3
117 DP3
118 AGND
119 OC4
120 PWE4
121 AV<sub>AUX</sub>
122 DM4
123 DP4
124 AGND
125 GL4
126 AMB4
127 GRN4
128 DGND

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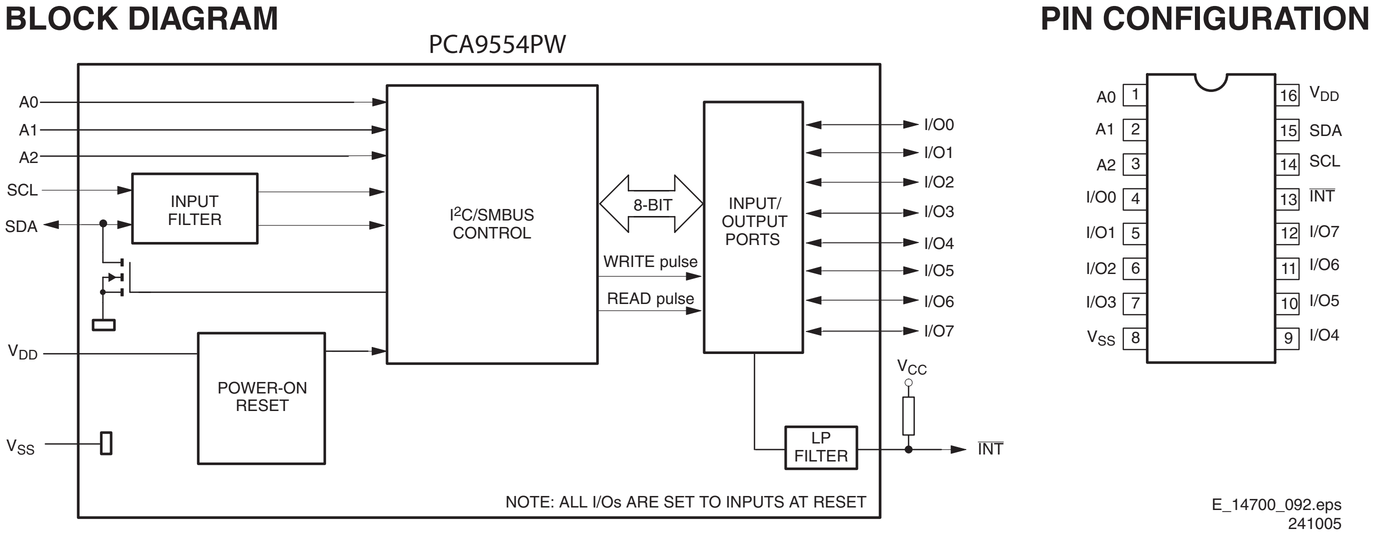
240505

Figure 9-25 Internal block diagram and pin configuration

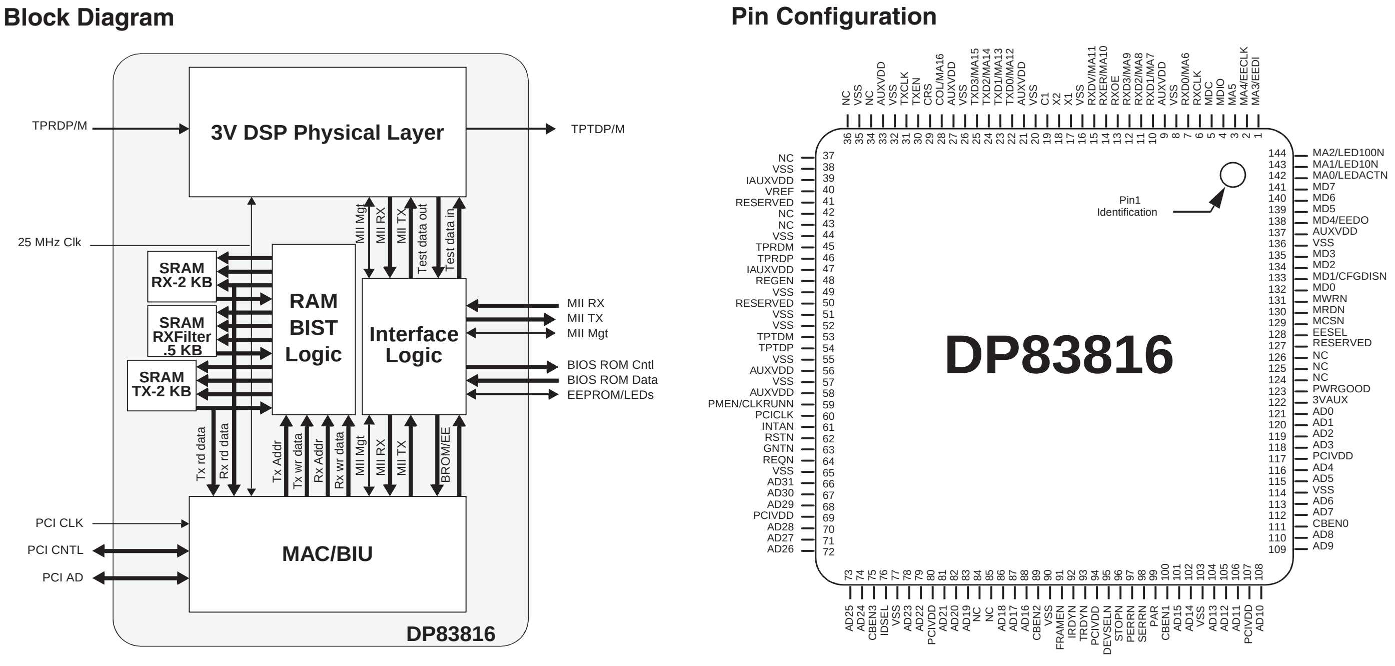
### 9.14.15 Diagram B14B, PCA9554PW (IC 7I55)


BLOCK DIAGRAM
PCA9554PW
A0
A1
A2
SCL
SDA
INPUT FILTER
$I^2C$/SMBUS CONTROL
8-BIT
WRITE pulse
READ pulse
INPUT/ OUTPUT PORTS
I/O0
I/O1
I/O2
I/O3
I/O4
I/O5
I/O6
I/O7
$V_{DD}$
POWER-ON RESET
$V_{SS}$
$V_{CC}$
LP FILTER
$\overline{INT}$
NOTE: ALL I/Os ARE SET TO INPUTS AT RESET
PIN CONFIGURATION
A0 1
A1 2
A2 3
I/O0 4
I/O1 5
I/O2 6
I/O3 7
$V_{SS}$ 8
9 I/O4
10 I/O5
11 I/O6
12 I/O7
13 $\overline{INT}$
14 SCL
15 SDA
16 $V_{DD}$

E_14700_092.eps
241005

**Figure 9-26 Internal block diagram and pin configuration**

### 9.14.16 Diagram B15, DP83816AVNG (7O00)


Block Diagram
TPRDP/M
3V DSP Physical Layer
TPTDP/M
25 MHz Clk
SRAM RX-2 KB
SRAM RXFilter .5 KB
SRAM TX-2 KB
RAM BIST Logic
Interface Logic
MII Mgt
MII RX
MII TX
Test data out
Test data in
MII RX
MII TX
MII Mgt
BIOS ROM Cntl
BIOS ROM Data
EEPROM/LEDs
Tx rd data
Rx rd data
Tx Addr
Tx wr data
Rx Addr
Rx wr data
MII Mgt
MII RX
MII TX
BROM/EE
PCI CLK
PCI CNTL
PCI AD
MAC/BIU
DP83816
Pin Configuration
DP83816
Pin1 Identification
1 MA3/EEDI
2 MA4/EECLK
3 MA5
4 MDIO
5 MDC
6 RXCLK
7 RXD0/MA6
8 VSS
9 AUXVDD
10 RXD1/MA7
11 RXD2/MA8
12 RXD3/MA9
13 RXOE
14 RXER/MA10
15 RXDV/MA11
16 VSS
17 X1
18 X2
19 C1
20 VSS
21 AUXVDD
22 TXD0/MA12
23 TXD1/MA13
24 TXD2/MA14
25 TXD3/MA15
26 VSS
27 AUXVDD
28 COL/MA16
29 CRS
30 TXEN
31 TXCLK
32 VSS
33 AUXVDD
34 NC
35 VSS
36 NC
37 NC
38 VSS
39 IAUXVDD
40 VREF
41 RESERVED
42 NC
43 NC
44 VSS
45 TPRDM
46 TPRDP
47 IAUXVDD
48 REGEN
49 VSS
50 RESERVED
51 VSS
52 VSS
53 TPTDM
54 TPTDP
55 VSS
56 AUXVDD
57 VSS
58 AUXVDD
59 PMEN/CLKRUNN
60 PCICLK
61 INTAN
62 RSTN
63 GNTN
64 REQN
65 VSS
66 AD31
67 AD30
68 AD29
69 PCIVDD
70 AD28
71 AD27
72 AD26
73 AD25
74 AD24
75 CBEN3
76 IDSEL
77 VSS
78 AD23
79 AD22
80 PCIVDD
81 AD21
82 AD20
83 AD19
84 NC
85 NC
86 AD18
87 AD17
88 AD16
89 CBEN2
90 VSS
91 FRAMEN
92 IRDYN
93 TRDYN
94 PCIVDD
95 DEVSELN
96 STOPN
97 PERRN
98 SERRN
99 PAR
100 CBEN1
101 AD15
102 AD14
103 VSS
104 AD13
105 AD12
106 AD11
107 PCIVDD
108 AD10
109 AD9
110 AD8
111 CBEN0
112 AD7
113 AD6
114 VSS
115 AD5
116 AD4
117 PCIVDD
118 AD3
119 AD2
120 AD1
121 AD0
122 3VAUX
123 PWRGOOD
124 NC
125 NC
126 NC
127 RESERVED
128 EESEL
129 MCSN
130 MRDN
131 MWRN
132 MD0
133 MD1/CFGDISN
134 MD2
135 MD3
136 VSS
137 AUXVDD
138 MD4/EEDO
139 MD5
140 MD6
141 MD7
142 MA0/LEDACTN
143 MA1/LED10N
144 MA2/LED100N

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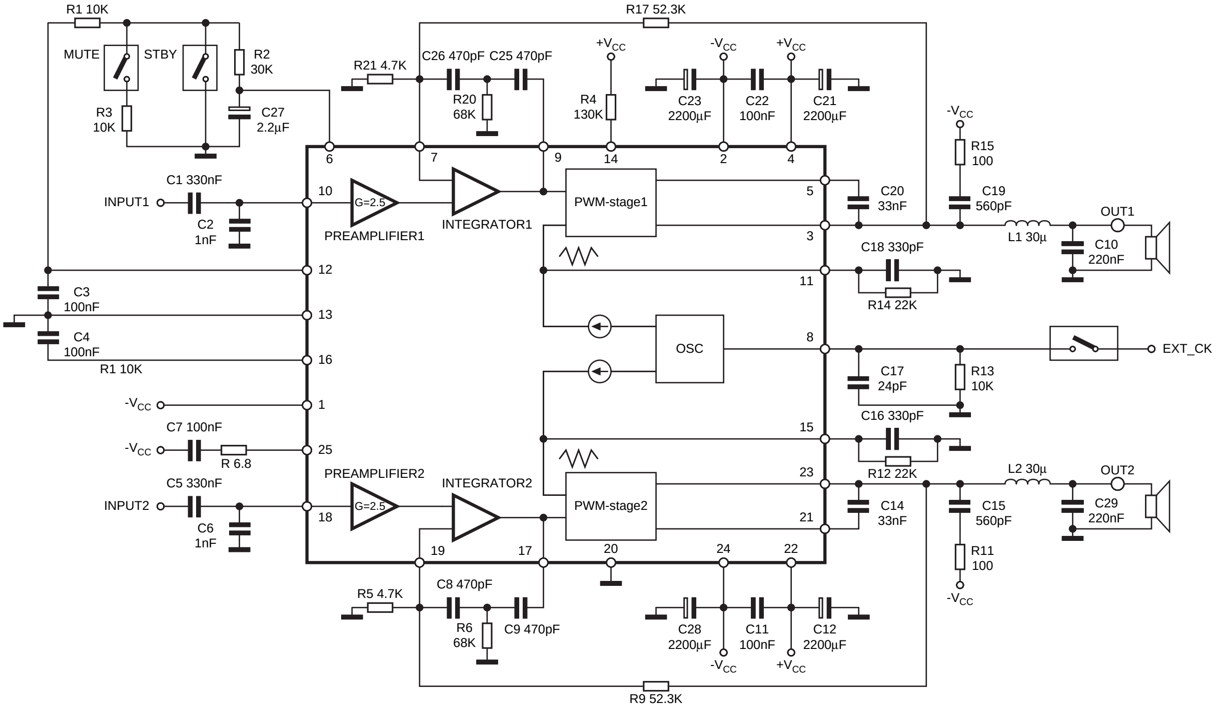
230905

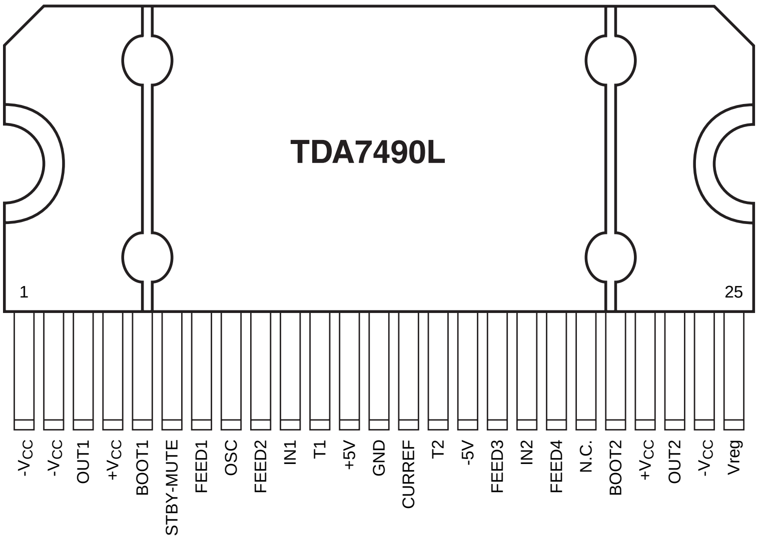
**Figure 9-27 Internal block diagram and pin configuration**

### 9.14.17 Diagram SA3, TDA7490LG (7700)

## Block Diagram


R1 10K
MUTE
STBY
R2 30K
R3 10K
C27 2.2µF
R21 4.7K
C26 470pF
C25 470pF
R20 68K
R17 52.3K
+$V_{CC}$
R4 130K
-$V_{CC}$
+$V_{CC}$
C23 2200µF
C22 100nF
C21 2200µF
-$V_{CC}$
R15 100
C20 33nF
C19 560pF
OUT1
L1 30µ
C10 220nF
C1 330nF
INPUT1
C2 1nF
G=2.5
PREAMPLIFIER1
INTEGRATOR1
PWM-stage1
C18 330pF
R14 22K
C3 100nF
C4 100nF
R1 10K
OSC
C17 24pF
R13 10K
EXT_CK
-$V_{CC}$
C7 100nF
-$V_{CC}$
R 6.8
C16 330pF
R12 22K
C5 330nF
INPUT2
C6 1nF
PREAMPLIFIER2
G=2.5
INTEGRATOR2
PWM-stage2
L2 30µ
OUT2
C14 33nF
C15 560pF
C29 220nF
R11 100
-$V_{CC}$
R5 4.7K
C8 470pF
R6 68K
C9 470pF
C28 2200µF
C11 100nF
C12 2200µF
-$V_{CC}$
+$V_{CC}$
R9 52.3K
6
7
9
14
2
4
10
5
3
12
11
13
8
16
1
15
25
23
18
21
19
17
20
24
22

## Pin Configuration (Top View)


TDA7490L
1
25
-$V_{CC}$
-$V_{CC}$
OUT1
+$V_{CC}$
BOOT1
STBY-MUTE
FEED1
OSC
FEED2
IN1
T1
+5V
GND
CURREF
T2
-5V
FEED3
IN2
FEED4
N.C.
BOOT2
+$V_{CC}$
OUT2
-$V_{CC}$
Vreg

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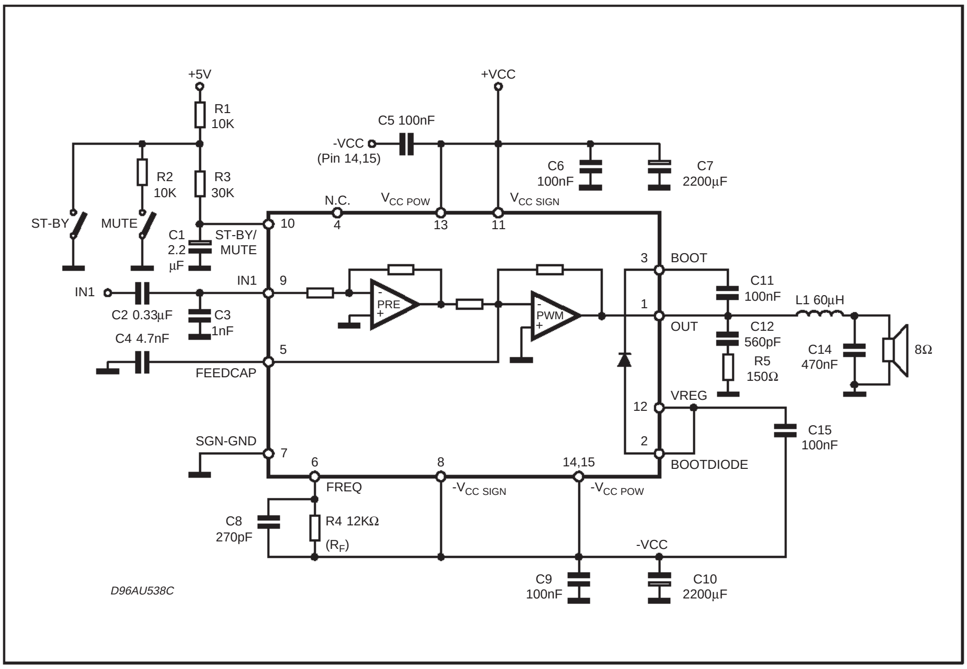
230905

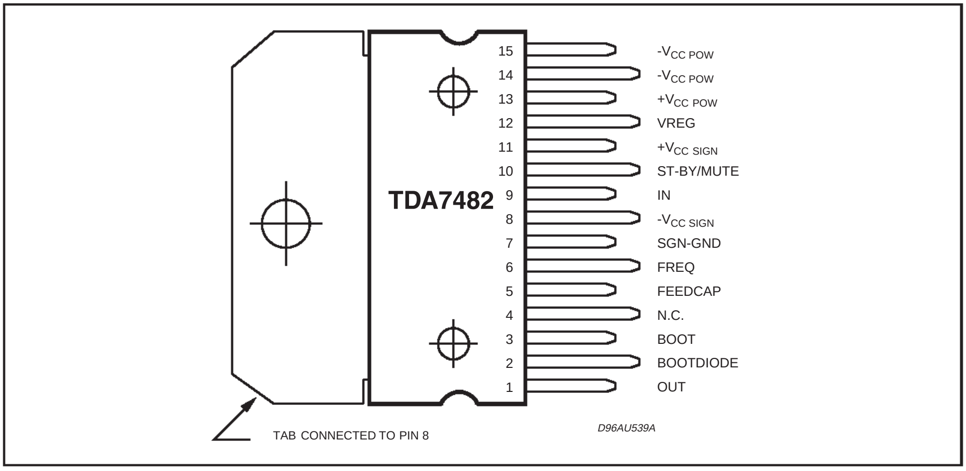
**Figure 9-28 Internal block diagram and pin configuration**

### 9.14.18 Diagram SA3, TDA7482 (7702)

## Block Diagram


+5V
R1 10K
R2 10K
R3 30K
ST-BY
MUTE
C1 2.2 µF
ST-BY/ MUTE
10
IN1
C2 0.33µF
C3 1nF
IN1
9
C4 4.7nF
FEEDCAP
5
SGN-GND
7
+VCC
C5 100nF
-VCC (Pin 14,15)
N.C.
4
$V_{CC\ POW}$
13
$V_{CC\ SIGN}$
11
C6 100nF
C7 2200µF
PRE
PWM
3
BOOT
1
OUT
12
VREG
2
BOOTDIODE
C11 100nF
C12 560pF
R5 150Ω
L1 60µH
C14 470nF
8Ω
C15 100nF
6
FREQ
8
$-V_{CC\ SIGN}$
14,15
$-V_{CC\ POW}$
C8 270pF
R4 12KΩ
($R_F$)
-VCC
C9 100nF
C10 2200µF
D96AU538C

## Pin Configuration (Top View)


TDA7482
15 $-V_{CC\ POW}$
14 $-V_{CC\ POW}$
13 $+V_{CC\ POW}$
12 VREG
11 $+V_{CC\ SIGN}$
10 ST-BY/MUTE
9 IN
8 $-V_{CC\ SIGN}$
7 SGN-GND
6 FREQ
5 FEEDCAP
4 N.C.
3 BOOT
2 BOOTDIODE
1 OUT
TAB CONNECTED TO PIN 8
D96AU539A

F_15710_169.eps
230905

Figure 9-29 Internal block diagram and pin configuration

# 10. Spare Parts List

## Set Level per Model Number (CTN)

### 32PF9531/10

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004⚠ | 9322 241 46682 | LCD LC320WX2 |
| 1102 | 3104 328 46821 | Service SSB |
| 1012 | 3139 267 23521 | Keyb. Control Assy [E] |
| 1017 | 3104 328 40891 | Bottom I/O Assy [BE] |
| 1112 | 3139 268 02531 | LED Assy [J] 32 & 37 Bk |
| 1115 | 3104 328 46731 | Side I/O assy [D] |
| 8101 | 3104 311 10171 | Cable 3p/1000/3p |
| 8103 | 3104 311 06091 | Cable 10p/680/10p |
| 8136 | 3104 311 04422 | Cable 11p/1050/11p |
| 8121⚠ | 3104 311 06841 | Cable 6p/820/6p |
| 8121⚠ | 3104 311 10901 | Cable 6p/1K1/6p |
| 8121 | 3104 311 11931 | Cable 6p/1100/6p Wh |
| 8235 | 3104 311 08801 | Flex foil 40p/140/40p |
| 8735 | 3104 311 11271 | Cable 2p3/560/2X Bk |
| 8736 | 3104 311 11201 | Cable 2p3/820/2X Wh |
| 8736 | 3104 311 11741 | Cable 2p3/680/2xposiWh |
| 8136 | 3104 311 10541 | Cable 11p/1100/11p Wh |
| 8142 | 3104 311 09051 | Cable 5p/820/5p Wh |
| 8146⚠ | 3104 311 07951 | Cable 11p/680/11p |
| 8150 | 3104 311 11681 | Cable 41p/320/30p |
| 8201 | 8204 000 79731 | Cable USBA/1m1/USBA |
| 8302 | 3104 311 11721 | Cable 7p/560/7p Wh |
| 8305 | 3104 311 08401 | Cable 3p/280/3p |
| 8306 | 3104 311 11731 | Cable 2p3/180/2p3 |
| 8310 | 3104 311 10284 | Cable 2p3/280/2p3 |
| 8364 | 3104 311 11021 | Cable 9p/400/9p Wh |
| 8408 | 3104 311 06951 | Cable 2p3/180/2p |

—◠◠◠—

| | | |
|---|---|---|
| 5212 | 2422 264 00565 | Loudsp. 4Ω 15W TW |
| 5213 | 2422 264 00565 | Loudsp. 4Ω 15W TW |
| 5222 | 2422 264 00572 | Loudsp. 4Ω 15W Squa. |
| 5223 | 2422 264 00572 | Loudsp. 4Ω 15W Squa. |

### 32PF9631D/10

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004⚠ | 9322 241 46682 | LCD LC320WX2 |
| 1012 | 3139 267 23521 | Keyb. Control Assy [E] |
| 1102 | 3104 328 46811 | Service SSB 4669X 32" |
| 1112 | 3139 268 02531 | LED Assy [J] 32 & 37 Bk |
| 1115 | 3104 328 46731 | Side I/O assy [D] |
| 8101 | 3104 311 10171 | Cable 3p/1000/3p |
| 8103 | 3104 311 06091 | Cable 10p/680/10p |
| 8121⚠ | 3104 311 06841 | Cable 6p/820/6p |
| 8121⚠ | 3104 311 10901 | Cable 6p/1K1/6p |
| 8121 | 3104 311 11931 | Cable 6p/1100/6p Wh |
| 8136 | 3104 311 04422 | Cable 11p/1050/11p |
| 8136 | 3104 311 10541 | Cable 11p/1100/11p Wh |
| 8142 | 3104 311 09051 | Cable 5p/820/5p Wh |
| 8146 | 3104 311 07951 | Cable 11p/680/11p |
| 8150 | 3104 311 11681 | Cable 41p/320/30p |
| 8201 | 2422 076 00596 | Cable USB-A 4p |
| 8302 | 3104 311 02341 | Cable 7p/680/7p |
| 8305⚠ | 3104 311 00891 | Cable 3p/220/3p |
| 8306 | 3104 311 08361 | Cable 2p3/400/2p3 |
| 8310 | 3104 311 10284 | Cable 2p3/280/2p3 |
| 8364 | 3104 311 06061 | Cable 9p/180/9p |
| 8408⚠ | 3104 311 07691 | Cable 2p3/280/Inlet |
| 8735 | 3104 311 11271 | Cable 2p3/560/2X Bk |
| 8736 | 3104 311 11201 | Cable 2p3/820/2X Wh |
| 8736 | 3104 311 11741 | Cable 2p3/680/2xposiWh |

—◠◠◠—

| | | |
|---|---|---|
| 5212 | 2422 264 00565 | Loudsp. 4Ω 15W TW |
| 5213 | 2422 264 00565 | Loudsp. 4Ω 15W TW |
| 5222 | 2422 264 00572 | Loudsp. 4Ω 15W Squa. |
| 5223 | 2422 264 00572 | Loudsp. 4Ω 15W Squa. |

### 32PF9731D/10

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004⚠ | 9322 241 46682 | LCD LC320WX2 |
| 1010 | 3104 328 41771 | Control Assy [E] |
| 1016 | 3104 328 28893 | Side I/O Assy [D] |
| 1017 | 3104 328 40891 | Bottom I/O Assy [BE] |
| 1102 | 3104 328 46801 | Service SSB |
| 1110 | 3104 328 45122 | Keyboard Cntrl Assy [E] |
| 1112 | 3104 328 45811 | LED Panel [J] |
| 1115 | 3104 328 40612 | Side I/O Assy [D] |
| 1115 | 3104 328 44121 | Side I/O [D] |
| 1131 | 2722 171 00374 | Ambil. Lamp Assy [AL] |
| 1132 | 2722 171 00375 | Ambil. Lamp Assy [AL] |
| 1164 | 3104 328 48321 | Ambil. Inv. single [AL] |
| 1166 | 3104 328 48321 | Ambil. Inv. single [AL] |
| 8101 | 3104 311 05181 | Cable 12p/315/12p |
| 8103 | 3104 311 06691 | Cable 10p/340/10p |
| 8121 | 3104 311 05161 | Cable 8p/600/8p |
| 8136⚠ | 3104 311 07001 | Cable 11p/400/11p |
| 8142 | 3104 311 09051 | Cable 5p/820/5p Wh |
| 8146 | 3104 311 07001 | Cable 11p/400/11p |
| 8150 | 3104 311 11691 | Cable 41p/260/30p |
| 8199⚠ | 3104 311 10931 | Wire ring /220/ring |
| 8201 | 2422 076 00596 | Cable USB-A 4p |
| 8235 | 3104 311 08801 | Flex foil 40p/140/40p |
| 8302 | 3104 311 07801 | Cable 7P 400mm |
| 8302 | 3104 311 08921 | Cable 7p/400/7p Wh |
| 8305 | 3104 311 05291 | Cable 3p/400/3p |
| 8305 | 3104 311 08421 | Cable 3p/400/3p |
| 8306 | 3104 311 08361 | Cable 2p3/400/2p3 |
| 8310 | 3104 311 11671 | Cable 2p3/560/2p3 |
| 8364 | 3104 311 06061 | Cable 9p/180/9p |
| 8408⚠ | 3104 311 08071 | Cable 2P3/140 |
| 8508 | 3104 311 06841 | Cable 6p/820/6p |
| 8549 | 3104 311 11351 | Cable 4p/820/4p Bk |
| 8559 | 3104 311 11161 | Cable 5p/340/5p Bk |
| 8608 | 3104 311 10372 | Cable 4p6/180/4p |
| 8735 | 3104 311 01511 | Cable 2p3/720/2xposi Bk |
| 8736 | 3104 311 06271 | Cable 2p3/560/2xposi Bk |

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|---|---|---|
| 5222 | 2422 264 00575 | Loudsp. 8Ω 8W |
| 5223 | 2422 264 00576 | Loudsp. 8Ω 8W |

### 37PF9731/69

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004⚠ | 9322 242 22682 | TFT-LCD LK370D3LZ33 |
| 1010 | 3104 328 41771 | Control Assy [E] |
| 1017 | 3104 328 40891 | Bottom I/O Assy [BE] |
| 1095 | 2422 033 00584 | Adapter SCART/CINCH/ S-VHS |
| 1102 | 3104 328 46791 | Service SSB |
| 1110 | 3104 328 45122 | Keyboard Cntrl Assy [E] |
| 1112 | 3104 328 45811 | LED Panel [J] |
| 1115 | 3104 328 42511 | Side I/O Assy [D] |
| 1131 | 2722 171 00376 | Ambil. Lamp Assy L |
| 1132 | 2722 171 00377 | Ambil. Lamp Assy R |
| 1133 | 2722 171 00395 | Ambil. Lamp Assy TOP B |
| 1134 | 2722 171 00396 | Ambil. Lamp Assy TOP B |
| 1151 | 3104 328 45291 | Card Reader Assy TOP B |
| 1164 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1166 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 8101 | 3104 311 05181 | Cable 12p/315/12p |
| 8103 | 3104 311 06091 | Cable 10p/680/10p |
| 8121 | 3104 311 07041 | Cable 6p/1000/6p |
| 8136 | 3104 311 08031 | Cable 11p/480/11p |
| 8146 | 3104 311 07461 | Cable 11p/560/11p |
| 8150 | 3104 311 12061 | Cable 41p/280/51p |
| 8199⚠ | 3104 311 10931 | Wire ring /220/ring |
| 8199 | 4822 320 11091 | Antenna Cable Coaxial |
| 8235 | 3104 311 08801 | Flex foil 40p/140/40p |
| 8302 | 3104 311 07801 | Cable 7P 400mm |
| 8319 | 3104 311 11501 | Cable 14p/680/14p |
| 8320⚠ | 3104 311 11751 | Cable 14p/1k0/14p |
| 8408⚠ | 3104 311 08071 | Cable 2P3/140 |
| 8539 | 3104 311 05181 | Cable 12p/315/12p |
| 8559 | 3104 311 11361 | Cable 5p/400/5p |
| 8608 | 3104 311 03651 | Cable 6p/100/6p Wh |
| 8610 | 3104 311 05161 | Cable 8p/600/8p |
| 8735 | 3104 311 02241 | Cable 2p3/820/2xposi Bk |
| 8736 | 3104 311 06271 | Cable 2p3/560/2xposi Bk |

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|---|---|---|
| 5222 | 3141 130 00191 | Loudsp. 4Ω 15W |
| 5223 | 3141 130 00201 | Loudsp. 4Ω 15W |

### 37PF9731D/10

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004⚠ | 9322 242 22682 | TFT-LCD LK370D3LZ33 |
| 1010 | 3104 328 41771 | Control Assy [E] |
| 1017 | 3104 328 40891 | Bottom I/O Assy [BE] |
| 1102 | 3104 328 46791 | Service SSB |
| 1110 | 3104 328 45122 | Keyboard Cntrl Assy [E] |
| 1112 | 3104 328 45811 | LED Panel [J] |
| 1115 | 3104 328 42511 | Side I/O Assy [D] |
| 1131 | 2722 171 00376 | Ambil. Lamp L |
| 1132 | 2722 171 00377 | Ambil. Lamp R |
| 1133 | 2722 171 00395 | Ambil. Lamp Assy TOP B |
| 1134 | 2722 171 00396 | Ambil. Lamp Assy TOP B |
| 1151 | 3104 328 45291 | Card Reader Assy TOP B |
| 1164 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1166 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 8101 | 3104 311 05181 | Cable 12p/315/12p |
| 8103 | 3104 311 06091 | Cable 10p/680/10p |
| 8121 | 3104 311 07041 | Cable 6p/1000/6p |
| 8136 | 3104 311 08031 | Cable 11p/480/11p |
| 8146 | 3104 311 07461 | Cable 11p/560/11p |
| 8150 | 3104 311 12061 | Cable 41p/280/51p |
| 8199⚠ | 3104 311 10931 | Wire ring /220/ring |
| 8235 | 3104 311 08801 | Flex foil 40p/140/40p |
| 8302 | 3104 311 07801 | Cable 7P 400mm |
| 8319 | 3104 311 11501 | Cable 14p/680/14p |
| 8320⚠ | 3104 311 11751 | Cable 14p/1k0/14p |
| 8408⚠ | 3104 311 08071 | Cable 2P3/140 |
| 8539 | 3104 311 05181 | Cable 12p/315/12p |
| 8559 | 3104 311 11361 | Cable 5p/400/5p |
| 8608 | 3104 311 03651 | Cable 6p/100/6p Wh |
| 8610 | 3104 311 05161 | Cable 8p/600/8p |
| 8735 | 3104 311 02241 | Cable 2p3/820/2xposi Bk |
| 8736 | 3104 311 06271 | Cable 2p3/560/2xposi Bk |

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|---|---|---|
| 5222 | 3141 130 00191 | Loudsp. 4Ω 15W |
| 5223 | 3141 130 00201 | Loudsp. 4Ω 15W |

### 42PF9641D/10

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004⚠ | 9322 246 84682 | LCD LC420WU2-SLA1 |
| 1010 | 3104 328 41771 | Control Assy [E] |
| 1017 | 3104 328 40891 | Bottom I/O Assy [BE] |
| 1050⚠ | 2722 171 00445 | Pow Supp Mod 117/230V |
| 1102 | 3104 328 50681 | Service SSB |
| 1110 | 3104 328 45122 | Keyboard Cntrl Assy [E] |
| 1112 | 3104 328 45811 | LED Panel [J] |
| 1115 | 3104 328 44121 | Side I/O [D] |
| 1131 | 2722 171 00378 | Ambil. Lamp Assy 580L |
| 1132 | 2722 171 00379 | Ambil. Lamp Assy 580R |
| 8101 | 3104 311 05181 | Cable 12p/315/12p |
| 8103 | 3104 311 07391 | Cable 10p/220/10p |
| 8121 | 3104 311 07041 | Cable 6p/1000/6p |
| 8136⚠ | 3104 311 08031 | Cable 11p/480/11p |
| 8146⚠ | 3104 311 08621 | Cable 11p/220/11p |
| 8150 | 3104 311 12261 | Cable 41p/380/51p |
| 8199⚠ | 3104 311 11621 | Cable Ring/280/ring |
| 8201 | 2422 076 00596 | Cable USB-A 4p |
| 8302 | 3104 311 00801 | Cable 7p/220/7p |
| 8235 | 3104 311 08801 | Flex foil 40p/140/40p |
| 8316 | 3104 311 07271 | Cable 12p/560/12p Wh |
| 8319 | 3104 311 11331 | Cable 14P/1000/14P |
| 8402⚠ | 3104 311 11391 | Cable 2p3/820/2p3 Bk |
| 8408⚠ | 3104 311 06951 | Cable 2p3/180/2p |
| 8410 | 3104 311 11131 | Cable 10p/820/10p Wh |
| 8422⚠ | 3104 311 11381 | Cable 2p3/680/2p3 Wh |
| 8508 | 3104 311 06841 | Cable 6p/820/6p |
| 8510 | 3104 311 03231 | Cable 6p/340/6p |
| 8549 | 3104 311 11341 | Cable 4p/1000/4p |
| 8559 | 3104 311 11791 | Cable 5p/560/5p Bk |
| 8735 | 3104 311 01511 | Cable 2p3/720/2xposi Bk |

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|---|---|---|
| 5222 | 3141 130 00191 | Loudsp. 4Ω 15W |
| 5223 | 3141 130 00201 | Loudsp. 4Ω 15W |

### 42PF9731D/10

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004⚠ | 9322 246 84682 | LCD LC420WU2-SLA1 |
| 1010 | 3104 328 41771 | Control Assy [E] |
| 1017 | 3104 328 40891 | Bottom I/O Assy [BE] |
| 1051 | 2722 171 00445 | PSU Module 117/230V |
| 1102 | 3104 328 49151 | Service SSB 4880X 42” |
| 1110 | 3104 328 45122 | Keyboard Cntrl Assy [E] |
| 1112 | 3104 328 45811 | LED Panel [J] |
| 1115 | 3104 328 42511 | Side I/O Assy [D] |
| 1131 | 2722 171 00399 | Ambil. Lamp Assy 580L2 |
| 1132 | 2722 171 00401 | Ambil. Lamp Assy 580R2 |

| | | |
|---|---|---|
| 1133 | 2722 171 00397 | Ambil. Lamp Assy 580L2 |
| 1134 | 2722 171 00398 | Ambil. Lamp Assy 480R2 |
| 1151 | 3104 328 45291 | Card Reader Assy TOP B |
| 1155 | 3104 328 44921 | Platf. Supply As. 42" [AP] |
| 1164 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1166 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 8101 | 3104 311 05181 | Cable 12p/315/12p |
| 8103 | 3104 311 07391 | Cable 10p/220/10p |
| 8121 | 3104 311 07041 | Cable 6p/1000/6p |
| 8136▲ | 3104 311 08031 | Cable 11p/480/11p |
| 8142 | 3104 311 11371 | Cable 5p/820/5p Wh |
| 8146 | 3104 311 08621 | Cable 11p/220/11p |
| 8150 | 3104 311 11681 | Cable 41p/320/30p |
| 8150 | 3104 311 12061 | Cable 41p/280/51p |
| 8199▲ | 3104 311 11621 | Cable Ring/280/ring |
| 8235 | 3104 311 08801 | Flex foil 40p/140/40p |
| 8302 | 3104 311 00801 | Cable 7p/220/7p |
| 8310 | 3104 311 10284 | Cable 2p3/280/2p3 |
| 8316 | 3104 311 07281 | Cable 12p/680/12p |
| 8319 | 3104 311 11331 | Cable 14P/1000/14P |
| 8402 | 3104 311 11391 | Cable 2p3/820/2p3 Bk |
| 8408▲ | 3104 311 06951 | Cable 2p3/180/2p |
| 8410 | 3104 311 11131 | Cable 10p/820/10p Wh |
| 8410 | 3104 311 11441 | Cable 10p/820/10p |
| 8422 | 3104 311 11381 | Cable 2p3/680/2p3 Wh |
| 8508 | 3104 311 06941 | Cable 6p/680/6p |
| 8510 | 3104 311 03231 | Cable 6p/340/6p |
| 8735 | 3104 311 01511 | Cable 2p3/720/2xposi Bk |
| 8736 | 3104 311 06271 | Cable 2p3/560/2xposi Bk |
| 8539 | 3104 311 08521 | Cable 3p/1000/3p |
| 8559 | 3104 311 11791 | Cable 5p/560/5p Bk |
| 8738 | 3104 311 05931 | Cable 4p/480/4p Bk |

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|---|---|---|
| 5222 | 3141 130 00191 | Loudsp. 4Ω 15W |
| 5223 | 3141 130 00201 | Loudsp. 4Ω 15W |

### 42PF9831/69

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004▲ | 9322 240 80682 | LCD LC420WX2-SLA1 |
| 1017 | 3104 328 40891 | Bottom I/O Assy [BE] |
| 1064 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1066 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1068 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1095 | 2422 033 00584 | Adapter SCART/CINCH/ S-VHS |
| 1102 | 3104 328 46781 | Service SSB 4405X 42" |
| 1110 | 3104 328 43111 | Keyboard Cntrl Assy [E] |
| 1112 | 3104 328 45811 | LED Panel [J] |
| 1115 | 3104 328 42511 | Side I/O Assy [D] |
| 1131 | 2722 171 00372 | Ambil. Lamp Assy 580L |
| 1132 | 2722 171 00373 | Ambil. Lamp Assy 580R |
| 1133 | 2722 171 00369 | Ambil. Lamp Assy 500L |
| 1134 | 2722 171 00371 | Ambil. Lamp Assy 500R |
| 1135 | 2722 171 00369 | Ambil. Lamp Assy 500L |
| 1136 | 2722 171 00371 | Ambil. Lamp Assy 500R |
| 1151 | 3104 328 35441 | Card Reader Assy TOP A |
| 1152 | 3104 328 44921 | Platf. Supply As. 42" [AP] |
| 1180 | 2722 171 00364 | PSU Module 117/230V |
| 8101 | 3104 311 06551 | Cable 3p/1300/3p |
| 8103 | 3104 311 07391 | Cable 10p/220/10p |
| 8121▲ | 3104 311 07831 | Cable 6p/820/6p Wh |
| 8136▲ | 3104 311 07471 | Cable 11p/680/11p |
| 8142 | 3104 311 11371 | Cable 5p/820/5p Wh |
| 8146 | 3104 311 08621 | Cable 11p/220/11p |
| 8150 | 3104 311 11681 | Cable 41p/320/30p |
| 8199 | 3104 311 08251 | Wire ring/180/Posi |
| 8235 | 3104 311 08801 | Flex foil 40p/140/40p |
| 8302 | 3104 311 00801 | Cable 7p/220/7p |
| 8310 | 3104 311 10284 | Cable 2p3/280/2p3 |
| 8402▲ | 3104 311 11391 | Cable 2p3/820/2p3 Bk |
| 8408▲ | 3104 311 06951 | Cable 2p3/180/2p |
| 8410 | 3104 311 11441 | Cable 10p/820/10p |
| 8422▲ | 3104 311 11381 | Cable 2p3/680/2p3 Wh |
| 8510 | 3104 311 06841 | Cable 6p/820/6p |
| 8539 | 3104 311 06551 | Cable 3p/1300/3p |
| 8549 | 3104 311 11801 | Cable 4p/1300/4p Bk |
| 8559 | 3104 328 47291 | Cable Assy Tie Wrap |
| 8608 | 3104 311 06941 | Cable 6p/680/6p |
| 8610 | 3104 311 11011 | Cable 6p/1k3/6p Wh |
| 8735 | 3104 311 02241 | Cable 2p3/820/2xposi Bk |
| 8736 | 3104 311 06271 | Cable 2p3/560/2xposi Bk |
| 8911 | 3104 311 08731 | Cable Posi/100/posi |

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|---|---|---|
| 5222 | 2422 264 00592 | Loudsp. Box 5Ω 15W |
| 5223 | 2422 264 00592 | Loudsp. Box 5Ω 15W |
| 5224 | 3141 130 00171 | Loudsp. 10Ω 13W Subw. |

### 42PF9831D/10

| | | |
|---|---|---|
| 0802 | One-ZIP file | Download from website. |
| 1004▲ | 9322 240 80682 | LCD LC420WX2-SLA1 |
| 1017 | 3104 328 40891 | Bottom I/O Assy [BE] |
| 1064 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1066 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1068 | 3104 328 48331 | Double AL Inv. Assy [AL] |
| 1096 | 2422 015 00621 | Cable Clamp Fix Ny66 |
| 1102 | 3104 328 46781 | Service SSB 4405X 42" |
| 1110 | 3104 328 43111 | Keyboard Cntrl Assy [E] |
| 1112 | 3104 328 45811 | LED Panel [J] |
| 1115 | 3104 328 42511 | Side I/O Assy [D] |
| 1131 | 2722 171 00372 | Ambil. Lamp Assy 580L |
| 1132 | 2722 171 00373 | Ambil. Lamp Assy 580R |
| 1133 | 2722 171 00369 | Ambil. Lamp Assy 500L |
| 1134 | 2722 171 00371 | Ambil. Lamp Assy 500R |
| 1135 | 2722 171 00369 | Ambil. Lamp Assy 500L |
| 1136 | 2722 171 00371 | Ambil. Lamp Assy 500R |
| 1151 | 3104 328 35441 | Card Reader Assy TOP A |
| 1180 | 2722 171 00364 | PSU Module 117/230V |
| 8000 | 3104 311 11831 | Cable 5p/820/5p Bk Ferr. |
| 8101 | 3104 311 06551 | Cable 3p/1300/3p |
| 8103 | 3104 311 07391 | Cable 10p/220/10p |
| 8142 | 3104 311 11371 | Cable 5p/820/5p Wh |
| 8146 | 3104 311 08621 | Cable 11p/220/11p |
| 8150 | 3104 311 11681 | Cable 41p/320/30p |
| 8121▲ | 3104 311 07831 | Cable 6p/820/6p Wh |
| 8136▲ | 3104 311 07471 | Cable 11p/680/11p |
| 8199 | 3104 311 08251 | Wire ring/180/Posi |
| 8235 | 3104 311 08801 | Flex foil 40p/140/40p |
| 8302 | 3104 311 00801 | Cable 7p/220/7p |
| 8310 | 3104 311 10284 | Cable 2p3/280/2p3 |
| 8402 | 3104 311 11391 | Cable 2p3/820/2p3 Bk |
| 8408▲ | 3104 311 06951 | Cable 2p3/180/2p |
| 8410 | 3104 311 11441 | Cable 10p/820/10p |
| 8422▲ | 3104 311 11381 | Cable 2p3/680/2p3 Wh |
| 8510 | 3104 311 06841 | Cable 6p/820/6p |
| 8539 | 3104 311 06551 | Cable 3p/1300/3p |
| 8549 | 3104 311 11801 | Cable 4p/1300/4p Bk |
| 8559 | 3104 328 47291 | Cable Assy Tie Wrap |
| 8608 | 3104 311 06941 | Cable 6p/680/6p |
| 8610 | 3104 311 11011 | Cable 6p/1k3/6p Wh |
| 8735 | 3104 311 02241 | Cable 2p3/820/2xposi Bk |
| 8736 | 3104 311 06271 | Cable 2p3/560/2xposi Bk |
| 8911 | 3104 311 08731 | Cable Posi/100/posi |

| | | |
|---|---|---|
| 5222 | 2422 264 00592 | Loudsp. Box 5Ω 15W |
| 5223 | 2422 264 00592 | Loudsp. Box 5Ω 15W |
| 5224 | 3141 130 00171 | Loudsp. 10Ω 13W Subw |

## Power Supply Panel 32 [A]

### Various

| | | |
|---|---|---|
| 1007▲ | 2422 086 00678 | Fuse 5A T 250V |
| 1305 | 4822 267 10735 | Connector 3p |
| 1306▲ | 2422 025 16374 | Connector 2p m |
| 1308▲ | 4822 265 20723 | Connector 2p |
| 1310 | 4822 265 20723 | Connector 2p |
| 1400▲ | 2422 086 00728 | Fuse 3.15A 250V |
| 1400▲ | 4822 253 50145 | Fuse 3.15A T |
| 1401▲ | 4822 252 11224 | Fuse 1A T 250V |
| 1402 | 4822 252 60151 | Surge protect |
| 1410 | 4822 265 11253 | Fuse holder |
| 1411 | 4822 265 11253 | Fuse holder |
| 1450▲ | 2422 132 07411 | Relay 1p 5V 5A |
| 1M02 | 2422 025 11244 | Connector 7p m |
| 1M08 | 2422 025 08149 | Connector 6p m |
| 1M64 | 2422 025 10769 | Connector 9p m |

| | | |
|---|---|---|
| 2000▲ | 2022 554 04157 | 1.5NF 250V 20% |
| 2002 | 4822 124 11767 | 470μF 20% 25V |
| 2003 | 4822 124 80061 | 1000μF 20% 25V |
| 2007 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2008 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2009 | 2238 867 18101 | 100pF 1% 50V 0603 |
| 2010 | 4822 124 40207 | 100μF 20% 25V |
| 2011 | 2222 375 24153 | 15nF 5% 1kV |
| 2012 | 4822 126 13449 | 1nF 10% 2kV |
| 2013 | 4822 126 13449 | 1nF 10% 2kV |
| 2014▲ | 4822 126 13451 | 2.2nF 10% 2kV |
| 2015 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2016 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2017 | 2222 375 24153 | 15nF 5% 1kV |
| 2019 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2020 | 4822 124 12285 | 2200μF 20% 16V |
| 2021 | 4822 124 12285 | 2200μF 20% 16V |
| 2022 | 2020 024 90708 | 47μF 400V 20% |
| 2023 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2024 | 2020 552 96326 | 220nF 10% 16V |
| 2026 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2028 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2032 | 4822 126 10206 | 2.2nF 10% 500V |
| 2034 | 2238 867 18101 | 100pF 1% 50V 0603 |
| 2035 | 2238 867 18101 | 100pF 1% 50V 0603 |
| 2038 | 2020 024 90708 | 47μF 400V 20% |
| 2039 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2040 | 4822 126 14249 | 560pF 10% 50V 0603 |
| 2044 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2046 | 3198 017 34730 | 47nF 16V 0603 |
| 2047 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2048 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2050 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2060 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2061 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2062 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2063 | 4822 126 13881 | 470pF 5% 50V |
| 2064 | 4822 126 13881 | 470pF 5% 50V |
| 2065 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2066 | 4822 122 31211 | 100pF 10% 500V |
| 2067 | 4822 122 31211 | 100pF 10% 500V |
| 2071 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2072 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2077 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2290 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2291 | 4822 126 13881 | 470pF 5% 50V |
| 2292 | 4822 124 40784 | 3300μF 20% 16V |
| 2293 | 4822 126 13881 | 470pF 5% 50V |
| 2294 | 4822 124 40784 | 3300μF 20% 16V |
| 2400▲ | 2222 338 22474 | 470nF 20% 275V |
| 2407▲ | 2022 554 04155 | 470pF 20% 250V |
| 2816 | 2020 024 00001 | 330μF 20% 400V |
| 2816 | 2020 024 90749 | 330μF 20% 400V |

| | | |
|---|---|---|
| 3000▲ | 4822 052 10478 | 4.7Ω 5% 0.33W |
| 3001 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3002 | 4822 051 30393 | 39kΩ 5% 0.062W |
| 3003 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3004 | 4822 051 30273 | 27kΩ 5% 0.062W |
| 3005 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3006 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3007 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3008 | 4822 051 30331 | 330Ω 5% 0.062W |
| 3009 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3010 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3011 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3012 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3013 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3014▲ | 4822 052 10101 | 100Ω 5% 0.33W |
| 3015▲ | 4822 052 10479 | 47Ω 5% 0.33W |
| 3016 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3017▲ | 4822 052 10101 | 100Ω 5% 0.33W |
| 3018▲ | 4822 052 10479 | 47Ω 5% 0.33W |
| 3019 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3020 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3021 | 4822 117 12971 | 15Ω 5% 0603 0.62W |
| 3022 | 4822 051 30681 | 680Ω 5% 0.062W |
| 3023 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3024 | 3198 039 47040 | 470kΩ 1% MFLM |
| 3025 | 3198 021 31820 | 1.8kΩ 5% 0.062W 0603 |
| 3026 | 2120 368 90118 | Potm. lin. 470Ω hor. |
| 3026 | 4822 100 11677 | 470R 30%LIN 0.2W |
| 3027 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3028 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3029 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3030 | 4822 051 30183 | 18kΩ 5% 0.062W |
| 3031 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3032 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3033 | 4822 052 11108 | 1Ω 5% 0.5W |
| 3034 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3035 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3038 | 4822 050 22204 | 220kΩ 1% 0.6W |
| 3040 | 3198 021 38220 | 8.2kΩ 5% 0.062W 0603 |
| 3041 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3043 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3045 | 4822 117 12971 | 15Ω 5% 0603 0.62W |
| 3046 | 4822 117 12971 | 15Ω 5% 0603 0.62W |
| 3047 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3048 | 4822 051 30272 | 2.7kΩ 5% 0.062W |
| 3050 | 4822 050 28204 | 820kΩ 1% 0.6W |
| 3051 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3052 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3053 | 4822 050 26804 | 680kΩ 1% 0.6W |
| 3055 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3055 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3056 | 4822 051 30221 | 220Ω 5% 0.062W |

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|---|---|---|
| 3057 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3058 | 4822 053 20565 | 5.6MΩ 5% 0.25W |
| 3061 | 4822 051 30683 | 68kΩ 5% 0.062W |
| 3064 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3065 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3066 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3067 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3068 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3070 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3071 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3075 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3100 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3292 | 4822 051 30561 | 560Ω 5% 0.062W |
| 3400▲ | 2122 550 00158 | VDR 1mA 612V |
| 3401▲ | 4822 053 21475 | 4.7MΩ 5% 0.5W |
| 3402▲ | 4822 053 21475 | 4.7MΩ 5% 0.5W |
| 3403▲ | 4822 053 21475 | 4.7MΩ 5% 0.5W |
| 3404 | 4822 116 83872 | 220Ω 5% 0.5W |
| 3406 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3408 | 4822 053 11223 | 22kΩ 5% 2W |
| 3409 | 4822 051 10102 | 1kΩ 2% 0.25W |
| 3410 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3999 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 9074 | 4822 051 20008 | Jumper 0805 |
| 9110 | 4822 051 20008 | Jumper 0805 |

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|---|---|---|
| 5001 | 2422 531 02444 | S13932-04Y |
| 5002▲ | 2422 531 00118 | Transf. 2652.0003D |
| 5005 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5007 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5008 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5009 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5010 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5013 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5015 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5016 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5017 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5025 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5026 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5027 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5028 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5040 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5291 | 2422 536 01194 | 3.3µH 20% |
| 5292 | 2422 536 01194 | 3.3µH 20% |
| 5293 | 2422 536 01194 | 3.3µH 20% |
| 5401▲ | 2422 549 43291 | Filter 47mH 2A |
| 5403 | 3104 308 21201 | Line filter DTH40383H65 |

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|---|---|---|
| 6002 | 4822 130 11397 | BAS316 |
| 6003 | 4822 130 11397 | BAS316 |
| 6004 | 4822 130 80622 | BAT54 |
| 6005 | 4822 130 80622 | BAT54 |
| 6006 | 4822 130 11397 | BAS316 |
| 6007 | 4822 130 11397 | BAS316 |
| 6008 | 4822 130 11397 | BAS316 |
| 6009 | 4822 130 11152 | UDZ18B |
| 6010 | 4822 130 11397 | BAS316 |
| 6011 | 4822 130 11397 | BAS316 |
| 6012 | 9322 208 80685 | BZG05C15 |
| 6013 | 9322 208 80685 | BZG05C15 |
| 6017 | 4822 130 11397 | BAS316 |
| 6020 | 4822 130 11397 | BAS316 |
| 6022 | 4822 130 11148 | UDZ4.7B |
| 6023 | 4822 130 11397 | BAS316 |
| 6027 | 4822 130 11397 | BAS316 |
| 6028 | 4822 130 11397 | BAS316 |
| 6031 | 9322 203 12673 | BYV27-600 |
| 6032 | 9322 203 12673 | BYV27-600 |
| 6033 | 9322 203 12673 | BYV27-600 |
| 6034 | 9322 203 12673 | BYV27-600 |
| 6044 | 9322 207 11687 | STPS20L45CT |
| 6045 | 9322 207 11687 | STPS20L45CT |
| 6051 | 4822 130 11397 | BAS316 |
| 6077 | 9322 202 55685 | BYG22D |
| 6078 | 9322 202 55685 | BYG22D |
| 6079 | 9322 202 55685 | BYG22D |
| 6080 | 9322 202 55685 | BYG22D |
| 6081 | 9340 548 67115 | PDZ22B |
| 6291 | 4822 130 11572 | STPS8H100F |
| 6293 | 4822 130 11572 | STPS8H100F |
| 6460 | 4822 130 11397 | BAS316 |
| 6461 | 4822 130 11397 | BAS316 |
| 6465 | 9340 292 50135 | BZG03-C200 |
| 6466 | 9340 292 50135 | BZG03-C200 |
| 6467 | 9340 548 71115 | PDZ33B |
| 6506▲ | 4822 130 83147 | DF06M |
| 6807▲ | 3104 307 09981 | 932223700682 |
| 6807▲ | 9322 199 74682 | GBJ6J-B15 |
| 6807▲ | 9322 237 00682 | Bridge TS6B05G-06 |
| 6807▲ | 9322 246 54682 | TS6B05G-07 |

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|---|---|---|
| 7001 | 9322 108 21682 | MC34067P |
| 7002▲ | 9322 149 04682 | TCET1102 |
| 7004 | 3198 010 42310 | BC847BW |
| 7005 | 9322 192 18687 | STP15NK50ZFP |
| 7005 | 9322 205 26687 | FQPF18N50V2 |
| 7006 | 9322 192 18687 | STP15NK50ZFP |
| 7006 | 9322 205 26687 | FQPF18N50V2 |
| 7007 | 3198 010 42320 | BC857BW |
| 7008 | 3198 010 42320 | BC857BW |
| 7009 | 3198 010 42320 | BC857BW |
| 7010 | 9322 192 16685 | TS2431AI |
| 7017 | 3198 010 42320 | BC857BW |
| 7018 | 3198 010 42310 | BC847BW |
| 7030 | 3198 010 42310 | BC847BW |
| 7807▲ | 9322 149 04682 | TCET1102 |

## Display/Platform Supply Panel 37" [A]

**Various**

| | | |
|---|---|---|
| 1308▲ | 4822 265 20723 | Connector 2p |
| 1319 | 2422 025 10773 | Connector 14p m |
| 1320 | 2422 025 10773 | Connector 14p m |
| 1400▲ | 4822 070 35002 | Fuse 5A |
| 1402 | 4822 252 60151 | Surge protect |
| 1410 | 4822 265 11253 | Fuse holder |
| 1450▲ | 2422 132 07411 | Relay 1p 5V 5A |
| 1M02 | 2422 025 11244 | Connector 7p m |
| 1M03 | 2422 025 10771 | Connector 10p m |
| 1M08 | 2422 025 08149 | Connector 6p m |
| 1M09 | 2422 025 08149 | Connector 6p m |
| 1M46 | 2422 025 10655 | Connector 11p m |
| 1M63 | 2422 025 09405 | Connector 2p m |
| 1P03 | 2422 086 00717 | Fuse 1.6A T 250V |
| 1P06 | 2422 086 00678 | Fuse 5A T 250V |
| 1P07 | 2422 086 00678 | Fuse 5A T 250V |
| 1P17▲ | 2422 132 07411 | Relay 1p 5V 5A |
| 1P30 | 2422 086 00663 | Fuse 1A T 250V |
| 1U00▲ | 2422 086 00648 | Fuse 1A T 250V |
| 1U02 | 4822 492 62076 | Transistor clamp |
| 1U07 | 4822 492 62076 | Transistor clamp |

| | | |
|---|---|---|
| 2000▲ | 2022 554 04157 | 1.5NF 250V 20% |
| 2001 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2002 | 4822 124 11767 | 470µF 20% 25V |
| 2003 | 4822 124 80061 | 1000µF 20% 25V |
| 2007 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2008 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2009 | 2238 867 18101 | 100pF 1% 50V 0603 |
| 2010 | 4822 124 40207 | 100µF 20% 25V |
| 2011 | 2222 375 24153 | 15nF 5% 1kV |
| 2012▲ | 4822 126 13449 | 1nF 10% 2kV |
| 2013 | 4822 126 13449 | 1nF 10% 2kV |
| 2014▲ | 4822 126 13451 | 2.2nF 10% 2kV |
| 2015 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2016 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2017 | 2222 375 24153 | 15nF 5% 1kV |
| 2019 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2021 | 4822 124 12285 | 2200µF 20% 16V |
| 2022 | 2020 021 00039 | 1800µF 20% 35V |
| 2023 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2024 | 2020 552 96326 | 220nF 10% 16V |
| 2025 | 2020 552 96683 | 220nF 10% 50V |
| 2026 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2028 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2029 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2033 | 2020 552 96683 | 220nF 10% 50V |
| 2034 | 2238 867 18101 | 100pF 1% 50V 0603 |
| 2035 | 2238 867 18101 | 100pF 1% 50V 0603 |
| 2038 | 2020 021 00039 | 1800µF 20% 35V |
| 2039 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2040 | 4822 126 14249 | 560pF 10% 50V 0603 |
| 2041 | 2020 552 96683 | 220nF 10% 50V |
| 2042 | 2020 552 96683 | 220nF 10% 50V |
| 2043 | 2020 552 96683 | 220nF 10% 50V |
| 2044 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2045 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2046 | 3198 017 34730 | 47nF 16V 0603 |
| 2047 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2048 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2049 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2050 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2051 | 2020 552 96683 | 220nF 10% 50V |
| 2052 | 2020 552 96683 | 220nF 10% 50V |
| 2053 | 2020 552 96683 | 220nF 10% 50V |
| 2060 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2061 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2062 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2063 | 4822 126 13881 | 470pF 5% 50V |
| 2064 | 4822 126 13881 | 470pF 5% 50V |
| 2065 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2071 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2072 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2077 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2400▲ | 2222 338 22474 | 470nF 20% 275V |
| 2402 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2403 | 2222 339 23223 | 22nF 20% 275V |
| 2407▲ | 2022 554 04155 | 470pF 20% 250V |
| 2410▲ | 2022 554 04163 | 100pF 10% 250V |
| 2411▲ | 2022 554 04163 | 100pF 10% 250V |
| 2803 | 2222 365 55563 | 56nF 10% 400V |
| 2804 | 2222 365 55563 | 56nF 10% 400V |
| 2816 | 2020 024 90749 | 330µF 20% 400V |
| 2P01 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P03 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P04 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P05 | 4822 124 81151 | 22µF 50V |
| 2P06 | 2022 554 04154 | 220pF 10% 250V |
| 2P07 | 2020 024 90718 | 10µF 20% 450V |
| 2P08 | 2020 024 90718 | 10µF 20% 450V |
| 2P09 | 2222 365 55563 | 56nF 10% 400V |
| 2P10 | 2222 365 55563 | 56nF 10% 400V |
| 2P11 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P12 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P13 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P14 | 4822 121 70162 | 10nF 5% 400V |
| 2P16 | 2020 024 90718 | 10µF 20% 450V |
| 2P17 | 2020 024 90718 | 10µF 20% 450V |
| 2P21 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P22 | 2020 552 96683 | 220nF 10% 50V |
| 2P23 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2P24 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P25 | 2238 930 11541 | 220pF 5% 200V |
| 2P26 | 2020 552 96683 | 220nF 10% 50V |
| 2P27 | 3198 038 41020 | 1000µF 20% 35V |
| 2P28 | 3198 038 41020 | 1000µF 20% 35V |
| 2P29 | 3198 038 41020 | 1000µF 20% 35V |
| 2P30 | 3198 038 41020 | 1000µF 20% 35V |
| 2P33 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P34 | 2020 552 96683 | 220nF 10% 50V |
| 2P35 | 2020 552 96683 | 220nF 10% 50V |
| 2P36 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P37 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P40 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P41 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P42 | 2238 930 11541 | 220pF 5% 200V |
| 2P43 | 2238 930 11541 | 220pF 5% 200V |
| 2P45 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P47 | 2020 021 00093 | 1000µF 20% |
| 2P48 | 2020 021 00093 | 1000µF 20% |
| 2P49 | 2020 021 00093 | 1000µF 20% |
| 2P50 | 2020 021 00093 | 1000µF 20% |
| 2P51 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2P52 | 4822 121 70162 | 10nF 5% 400V |
| 2P53 | 2020 552 94427 | 100pF 5% 50V |
| 2P57 | 2020 552 96683 | 220nF 10% 50V |
| 2P64 | 2238 930 11541 | 220pF 5% 200V |
| 2P80 | 2020 552 96683 | 220nF 10% 50V |
| 2P81 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2S04 | 4822 126 13682 | 100pF 5% 1kV |
| 2S06 | 2022 554 04154 | 220pF 10% 250V |
| 2S07 | 3198 017 34730 | 47nF 16V 0603 |
| 2S13 | 2222 930 56627 | 2.2nF 10% 200V 0805 |
| 2S14 | 4822 124 12379 | 220µF 25V |
| 2S15 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2S16 | 4822 124 81151 | 22µF 50V |
| 2S17 | 4822 124 81151 | 22µF 50V |
| 2S18 | 3198 017 34730 | 47nF 16V 0603 |
| 2S33 | 4822 124 40207 | 100µF 20% 25V |
| 2S39 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2S40 | 4822 121 70162 | 10nF 5% 400V |
| 2S41 | 2020 552 96683 | 220nF 10% 50V |
| 2S50 | 2020 021 91668 | 2200µF 20% 10V |
| 2S52 | 4822 121 70162 | 10nF 5% 400V |
| 2S54 | 3198 017 31530 | 15nF 20% 50V 0603 |
| 2S56 | 2020 552 96683 | 220nF 10% 50V |
| 2U01 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2U02 | 4822 121 70162 | 10nF 5% 400V |
| 2U05 | 2222 930 56627 | 2.2nF 10% 200V 0805 |
| 2U06 | 2022 554 04155 | 470pF 20% 250V |
| 2U07 | 2020 024 90718 | 10µF 20% 450V |
| 2U08 | 2020 024 90718 | 10µF 20% 450V |
| 2U09 | 4822 124 81151 | 22µF 50V |
| 2U10 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2U11 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U13 | 3198 017 34730 | 47nF 16V 0603 |

| | | |
|---|---|---|
| 2U14 | 2020 012 93057 | 2200?F 20% 16V |
| 2U15 | 4822 124 81151 | 22µF 50V |
| 2U22 | 2222 370 65473 | 47nF 10% 400V |

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| | | |
|---|---|---|
| 3000⚠ | 4822 052 10478 | 4.7Ω 5% 0.33W |
| 3001 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3002 | 4822 051 30393 | 39kΩ 5% 0.062W |
| 3003 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3004 | 4822 051 30273 | 27kΩ 5% 0.062W |
| 3005 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3006 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3007 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3008 | 4822 051 30331 | 330Ω 5% 0.062W |
| 3009 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3010 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3011 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3012 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3013 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3014⚠ | 4822 052 10101 | 100Ω 5% 0.33W |
| 3015⚠ | 4822 052 10479 | 47Ω 5% 0.33W |
| 3016 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3017⚠ | 4822 052 10101 | 100Ω 5% 0.33W |
| 3018⚠ | 4822 052 10479 | 47Ω 5% 0.33W |
| 3019 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3020 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3021 | 4822 117 12971 | 15Ω 5% 0603 0.62W |
| 3022 | 4822 051 30681 | 680Ω 5% 0.062W |
| 3023 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3024 | 4822 050 21803 | 18kΩ 1% 0,6W |
| 3025 | 3198 021 31820 | 1.8kΩ 5% 0.062W 0603 |
| 3026 | 2120 368 90118 | Potm. lin. 470Ω hor. |
| 3027 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3028 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3029 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3030 | 4822 051 30183 | 18kΩ 5% 0.062W |
| 3032 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3033⚠ | 4822 052 11108 | 1Ω 5% 0.5W |
| 3034 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3035 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3040 | 3198 021 38220 | 8.2kΩ 5% 0.062W 0603 |
| 3041 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3043 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3045 | 4822 117 12971 | 15Ω 5% 0603 0.62W |
| 3046 | 4822 117 12971 | 15Ω 5% 0603 0.62W |
| 3047 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3048 | 4822 051 30272 | 2.7kΩ 5% 0.062W |
| 3050 | 4822 050 28204 | 820kΩ 1% 0.6W |
| 3053 | 4822 050 26804 | 680kΩ 1% 0.6W |
| 3055 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3056 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3057 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3058 | 4822 053 20565 | 5.6MΩ 5% 0.25W |
| 3060 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3061 | 4822 051 30683 | 68kΩ 5% 0.062W |
| 3064 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3065 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3066 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3067 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3068 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3070 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3071 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3072 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3073 | 3198 021 38220 | 8.2kΩ 5% 0.062W 0603 |
| 3074 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3075 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3076 | 4822 051 30682 | 6.8Ω 5% 0.062W |
| 3077 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3078 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3080 | 2322 195 63471 | 470Ω 5% |
| 3100 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3400⚠ | 2122 550 00158 | VDR 1mA 612V |
| 3401⚠ | 4822 053 21475 | 4.7MΩ 5% 0.5W |
| 3402⚠ | 4822 053 21475 | 4.7MΩ 5% 0.5W |
| 3403⚠ | 4822 053 21475 | 4.7MΩ 5% 0.5W |
| 3404 | 4822 116 83872 | 220Ω 5% 0.5W |
| 3406 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3408 | 4822 053 11223 | 22kΩ 5% 2W |
| 3410 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3413 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3422 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3423 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3424 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3425 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3431 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3P00 | 4822 117 10833 | 10kΩ 1% 0.1W |
| 3P01 | 4822 117 10833 | 10kΩ 1% 0.1W |
| 3P02 | 4822 117 10833 | 10kΩ 1% 0.1W |
| 3P03 | 4822 117 10833 | 10kΩ 1% 0.1W |
| 3P04 | 2322 734 63309 | 33Ω 1% 0.1W 0805 |
| 3P09 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P10 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P11 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3P12 | 4822 051 30474 | 470kΩ 5% 0.062W |
| 3P14 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P15 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P16 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3P17 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P18 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P19 | 4822 117 12891 | 220kΩ 1% |
| 3P20 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P21 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P22 | 4822 051 30105 | 1MΩ 5% 0.062W |
| 3P23 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P24 | 4822 117 12891 | 220kΩ 1% |
| 3P26 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P27 | 4822 051 30123 | 12kΩ 5% 0.1W |
| 3P28 | 3198 012 24730 | 47kΩ 5% |
| 3P29 | 4822 053 11471 | 470Ω 5% 2W |
| 3P30 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3P31 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P33 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3P34 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P36 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3P38 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P39 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P40 | 4822 117 12864 | 82kΩ 5% 0.6W |
| 3P41 | 4822 117 12891 | 220kΩ 1% |
| 3P42 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P43 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P44 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P45 | 4822 051 30105 | 1MΩ 5% 0.062W |
| 3P46 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P47 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3P48 | 2322 734 63309 | 33Ω 1% 0.1W 0805 |
| 3P49 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P50 | 4822 117 12971 | 15Ω 5% 0603 0.62W |
| 3P51 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3P52 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P53 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P54 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P55 | 4822 051 30331 | 330Ω 5% 0.062W |
| 3P57 | 3198 012 22280 | 2.2Ω 5% 2W |
| 3P58 | 3198 012 22280 | 2.2Ω 5% 2W |
| 3P59 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P60 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P61 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3P62 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P63 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P64 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P65 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P66 | 5322 117 13046 | 1.8kΩ 1% 0.063W 0603 |
| 3P68 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P69 | 2122 118 05952 | 560kΩ 5% 0603 |
| 3P73 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P74 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P75 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3P76 | 4822 117 12891 | 220kΩ 1% |
| 3P77 | 2322 193 14332 | 3.3kΩ 5% 1W |
| 3P78 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3P79 | 4822 051 30272 | 2.7kΩ 5% 0.062W |
| 3P80 | 4822 051 30272 | 2.7kΩ 5% 0.062W |
| 3P81 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P82 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P83 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3P84 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3P85 | 4822 051 30272 | 2.7kΩ 5% 0.062W |
| 3P86 | 4822 051 30331 | 330Ω 5% 0.062W |
| 3P87 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P88 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P89 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3P90 | 4822 051 30154 | 150kΩ 5% 0.062W |
| 3P91 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3P92 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P93 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3P94 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P96 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P97 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P98 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P99 | 5322 117 13046 | 1.8kΩ 1% 0.063W 0603 |
| 3PP1 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3PP2 | 4822 051 30008 | Jumper 0603 |
| 3PP3 | 2322 193 14104 | 100kΩ 5% |
| 3PP4 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3S08 | 2322 193 14278 | 2.7Ω 5% |
| 3S14 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3S15 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3S16 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3S17 | 4822 051 20479 | 47Ω 5% 0.1W |
| 3S18 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3S19 | 4822 051 30008 | Jumper 0603 |
| 3S20 | 4822 117 12864 | 82kΩ 5% 0.6W |
| 3S21 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3S22 | 4822 051 20479 | 47Ω 5% 0.1W |
| 3S23 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3S24 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3S28 | 3198 021 32290 | 22Ω 5% 0603 |
| 3S29 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3S30 | 4822 051 30123 | 12kΩ 5% 0.1W |
| 3S31 | 4822 051 30124 | 120kΩ 5% 0.062W |
| 3S32 | 4822 051 30334 | 330kΩ 5% 0.062W |
| 3S33 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3S34 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3S35 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3S36 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3S37 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3S39 | 3198 021 34780 | 4.7Ω 5% 0603 |
| 3S41 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3S50 | 3198 021 32290 | 22Ω 5% 0603 |
| 3S51 | 2322 193 14104 | 100kΩ 5% |
| 3S59 | 4822 117 12891 | 220kΩ 1% |
| 3S76 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3U01 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3U02 | 4822 051 30474 | 470kΩ 5% 0.062W |
| 3U03 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3U04 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3U05 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3U06 | 4822 051 30123 | 12kΩ 5% 0.1W |
| 3U07 | 3198 039 22090 | 22Ω 1% |
| 3U08 | 2322 193 14477 | 0.47Ω 5% |
| 3U09 | 2322 193 14477 | 0.47Ω 5% |
| 3U10 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3U12 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3U13 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3U14 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3U15 | 5322 117 13046 | 1.8kΩ 1% 0.063W 0603 |
| 3U16 | 4822 051 30273 | 27kΩ 5% 0.062W |
| 3U17 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3U18 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3U19 | 4822 117 13613 | 2.2Ω 5% 0603 |
| 3U22 | 2322 193 14224 | 220kΩ 5% |
| 3U23 | 4822 051 30563 | 56kΩ 5% 0.062W |
| 3U25 | 2322 193 14224 | 220kΩ 5% |
| 3U32 | 4822 053 10222 | 2.2kΩ 5% 1W |
| 9001 | 3198 036 90010 | Wire 0.58mm |
| 9002 | 4822 051 30008 | Jumper 0603 |
| 9003 | 3198 036 90010 | Wire 0.58mm |
| 9005 | 3198 036 90010 | Wire 0.58mm |
| 9006 | 3198 036 90010 | Wire 0.58mm |
| 9007 | 3198 036 90010 | Wire 0.58mm |
| 9009 | 4822 051 30008 | Jumper 0603 |
| 9011 | 3198 036 90010 | Wire 0.58mm |
| 9012 | 3198 036 90010 | Wire 0.58mm |
| 9013 | 3198 036 90010 | Wire 0.58mm |
| 9014 | 3198 036 90010 | Wire 0.58mm |
| 9016 | 3198 036 90010 | Wire 0.58mm |
| 9017 | 3198 036 90010 | Wire 0.58mm |
| 9018 | 3198 036 90010 | Wire 0.58mm |
| 9019 | 3198 036 90010 | Wire 0.58mm |
| 9020 | 3198 036 90010 | Wire 0.58mm |
| 9021 | 3198 036 90010 | Wire 0.58mm |
| 9022 | 3198 036 90010 | Wire 0.58mm |
| 9023 | 3198 036 90010 | Wire 0.58mm |
| 9024 | 3198 036 90010 | Wire 0.58mm |
| 9025 | 3198 036 90010 | Wire 0.58mm |
| 9028 | 3198 036 90010 | Wire 0.58mm |
| 9029 | 3198 036 90010 | Wire 0.58mm |
| 9030 | 3198 036 90010 | Wire 0.58mm |
| 9031 | 3198 036 90010 | Wire 0.58mm |
| 9032 | 3198 036 90010 | Wire 0.58mm |
| 9033 | 3198 036 90010 | Wire 0.58mm |
| 9034 | 3198 036 90010 | Wire 0.58mm |
| 9035 | 3198 036 90010 | Wire 0.58mm |
| 9036 | 3198 036 90010 | Wire 0.58mm |
| 9037 | 3198 036 90010 | Wire 0.58mm |
| 9038 | 3198 036 90010 | Wire 0.58mm |
| 9040 | 3198 036 90010 | Wire 0.58mm |
| 9051 | 4822 051 30008 | Jumper 0603 |
| 9056 | 3198 036 90010 | Wire 0.58mm |
| 9057 | 4822 051 30008 | Jumper 0603 |
| 9059 | 3198 036 90010 | Wire 0.58mm |
| 9061 | 4822 051 20008 | Jumper 0805 |
| 9071 | 4822 051 30008 | Jumper 0603 |
| 9080 | 3198 036 90010 | Wire 0.58mm |
| 9081 | 3198 036 90010 | Wire 0.58mm |
| 9082 | 4822 051 30008 | Jumper 0603 |
| 9083 | 3198 036 90010 | Wire 0.58mm |
| 9085 | 4822 051 30008 | Jumper 0603 |
| 9092 | 3198 036 90010 | Wire 0.58mm |
| 9093 | 3198 036 90010 | Wire 0.58mm |
| 9098 | 3198 036 90010 | Wire 0.58mm |
| 9814 | 3198 036 90010 | Wire 0.58mm |
| 9815 | 3198 036 90010 | Wire 0.58mm |
| 9816 | 4822 051 30008 | Jumper 0603 |
| 9817 | 3198 036 90010 | Wire 0.58mm |
| 9818 | 4822 051 30008 | Jumper 0603 |
| 9819 | 3198 036 90010 | Wire 0.58mm |
| 9820 | 3198 036 90010 | Wire 0.58mm |
| 9821 | 3198 036 90010 | Wire 0.58mm |
| 9825 | 3198 036 90010 | Wire 0.58mm |

| | | |
|---|---|---|
| 9P01 | 3198 036 90010 | Wire 0.58mm |
| 9P02 | 3198 036 90010 | Wire 0.58mm |
| 9P03 | 3198 036 90010 | Wire 0.58mm |
| 9P04 | 4822 051 30008 | Jumper 0603 |
| 9P05 | 3198 036 90010 | Wire 0.58mm |
| 9P06 | 3198 036 90010 | Wire 0.58mm |
| 9P07 | 3198 036 90010 | Wire 0.58mm |
| 9P08 | 3198 036 90010 | Wire 0.58mm |
| 9P09 | 3198 036 90010 | Wire 0.58mm |
| 9P10 | 3198 036 90010 | Wire 0.58mm |
| 9P11 | 3198 036 90010 | Wire 0.58mm |
| 9P12 | 3198 036 90010 | Wire 0.58mm |
| 9P13 | 3198 036 90010 | Wire 0.58mm |
| 9P14 | 3198 036 90010 | Wire 0.58mm |
| 9P15 | 3198 036 90010 | Wire 0.58mm |
| 9P16 | 3198 036 90010 | Wire 0.58mm |
| 9P18 | 3198 036 90010 | Wire 0.58mm |
| 9P19 | 3198 036 90010 | Wire 0.58mm |
| 9P20 | 3198 036 90010 | Wire 0.58mm |
| 9P21 | 3198 036 90010 | Wire 0.58mm |
| 9P22 | 3198 036 90010 | Wire 0.58mm |
| 9P23 | 3198 036 90010 | Wire 0.58mm |
| 9P24 | 3198 036 90010 | Wire 0.58mm |
| 9P25 | 3198 036 90010 | Wire 0.58mm |
| 9P26 | 3198 036 90010 | Wire 0.58mm |
| 9P27 | 3198 036 90010 | Wire 0.58mm |
| 9P28 | 3198 036 90010 | Wire 0.58mm |
| 9P29 | 3198 036 90010 | Wire 0.58mm |
| 9P30 | 3198 036 90010 | Wire 0.58mm |
| 9P31 | 4822 051 20008 | Jumper 0805 |
| 9P32 | 3198 036 90010 | Wire 0.58mm |
| 9P33 | 3198 036 90010 | Wire 0.58mm |
| 9P34 | 3198 036 90010 | Wire 0.58mm |
| 9P35 | 3198 036 90010 | Wire 0.58mm |
| 9P36 | 3198 036 90010 | Wire 0.58mm |
| 9P37 | 3198 036 90010 | Wire 0.58mm |
| 9P38 | 3198 036 90010 | Wire 0.58mm |
| 9P39 | 3198 036 90010 | Wire 0.58mm |
| 9P40 | 3198 036 90010 | Wire 0.58mm |
| 9P41 | 4822 051 30008 | Jumper 0603 |
| 9P42 | 3198 036 90010 | Wire 0.58mm |
| 9P43 | 3198 036 90010 | Wire 0.58mm |
| 9P44 | 3198 036 90010 | Wire 0.58mm |
| 9P45 | 3198 036 90010 | Wire 0.58mm |
| 9P46 | 3198 036 90010 | Wire 0.58mm |
| 9P47 | 3198 036 90010 | Wire 0.58mm |
| 9P48 | 3198 036 90010 | Wire 0.58mm |
| 9P49 | 3198 036 90010 | Wire 0.58mm |
| 9P50 | 3198 036 90010 | Wire 0.58mm |
| 9P51 | 3198 036 90010 | Wire 0.58mm |
| 9P52 | 3198 036 90010 | Wire 0.58mm |
| 9P53 | 3198 036 90010 | Wire 0.58mm |
| 9P54 | 3198 036 90010 | Wire 0.58mm |
| 9P55 | 3198 036 90010 | Wire 0.58mm |
| 9P56 | 3198 036 90010 | Wire 0.58mm |
| 9P57 | 3198 036 90010 | Wire 0.58mm |
| 9P58 | 4822 051 20008 | Jumper 0805 |
| 9P62 | 3198 036 90010 | Wire 0.58mm |
| 9P65 | 3198 036 90010 | Wire 0.58mm |
| 9P75 | 3198 036 90010 | Wire 0.58mm |
| 9P76 | 3198 036 90010 | Wire 0.58mm |
| 9S01 | 4822 051 30008 | Jumper 0603 |
| 9S03 | 3198 036 90010 | Wire 0.58mm |
| 9S16 | 3198 036 90010 | Wire 0.58mm |
| 9S17 | 3198 036 90010 | Wire 0.58mm |
| 9S18 | 3198 036 90010 | Wire 0.58mm |
| 9S20 | 3198 036 90010 | Wire 0.58mm |
| 9S25 | 3198 036 90010 | Wire 0.58mm |
| 9U01 | 3198 036 90010 | Wire 0.58mm |
| 9U02 | 3198 036 90010 | Wire 0.58mm |
| 9U03 | 3198 036 90010 | Wire 0.58mm |
| 9U04 | 3198 036 90010 | Wire 0.58mm |
| 9U10 | 3198 036 90010 | Wire 0.58mm |
| 9U18 | 3198 036 90010 | Wire 0.58mm |

| | | |
|---|---|---|
| 5001 | 2422 531 02444 | S13932-04Y |
| 5002⚠ | 2422 531 00096 | Transformer SMT SLOT |
| 5005 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5007 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5008 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5009 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5010 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5013 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5015 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5016 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5017 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5025 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5026 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5027 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5028 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5040 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5403 | 3104 308 21201 | Line filter DTH40383H65 |
| 5405⚠ | 4822 157 11523 | Line filter 5mH/2A |
| 5P00 | 2422 531 00134 | BS25504-02B |
| 5P01 | 2422 531 00134 | BS25504-02B |
| 5P03 | 4822 157 50961 | 22μH |
| 5P04 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5P05 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5P06 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5P07 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5P08 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5P10 | 2422 549 00169 | Bead 45Ω at 100MHz |
| 5P11 | 2422 549 00169 | Bead 45Ω at 100MHz |
| 5P12 | 2422 549 00169 | Bead 45Ω at 100MHz |
| 5P13 | 2422 549 00169 | Bead 45Ω at 100MHz |
| 5P16 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5P18 | 2422 535 94636 | 3.3μF 20% |
| 5P19 | 2422 535 94636 | 3.3μF 20% |
| 5P20 | 2422 535 94636 | 3.3μF 20% |
| 5P21 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P22 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P23 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P24 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P25 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5P26 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5P27 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5P28 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5P40 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P41 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P42 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P43 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5S00 | 3104 308 21181 | BS25320-00 |
| 5S01 | 3198 018 31090 | 10μH 10% 0805 |
| 5S03 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5S05 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5S08 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5S09 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5S10 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5S11 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5S12 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5S14 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5S15 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5S16 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5U00 | 2422 531 00123 | Transf. 2452.7007A |
| 5U01 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U02 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U03 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5U04 | 2422 536 00776 | 33μH 10% |
| 5U05 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5U06 | 4822 157 11441 | 22μH 5% |
| 5U07 | 4822 051 30008 | Jumper 0603 |
| 5U08 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5U10 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5U11 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U12 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U17 | 2422 536 00433 | 15μH 10% |

| | | |
|---|---|---|
| 6002 | 4822 130 11397 | BAS316 |
| 6003 | 4822 130 11397 | BAS316 |
| 6004 | 4822 130 80622 | BAT54 |
| 6005 | 4822 130 80622 | BAT54 |
| 6006 | 4822 130 11397 | BAS316 |
| 6007 | 4822 130 11397 | BAS316 |
| 6008 | 4822 130 11397 | BAS316 |
| 6009 | 4822 130 11152 | UDZ18B |
| 6010 | 4822 130 11397 | BAS316 |
| 6011 | 4822 130 11397 | BAS316 |
| 6012 | 9322 208 80685 | BZG05C15 |
| 6013 | 9322 208 80685 | BZG05C15 |
| 6017 | 4822 130 11397 | BAS316 |
| 6020 | 4822 130 11397 | BAS316 |
| 6021 | 9322 206 26687 | STPS20H100CT |
| 6022 | 4822 130 11148 | UDZ4.7B |
| 6023 | 4822 130 11397 | BAS316 |
| 6024 | 9340 548 67115 | PDZ22B |
| 6025 | 9322 206 26687 | STPS20H100CT |
| 6026 | 4822 130 11152 | UDZ18B |
| 6027 | 4822 130 11397 | BAS316 |
| 6028 | 4822 130 11397 | BAS316 |
| 6044 | 9322 207 11687 | STPS20L45CT |
| 6051 | 4822 130 11397 | BAS316 |
| 6077 | 9322 202 55685 | BYG22D |
| 6078 | 9322 202 55685 | BYG22D |
| 6079 | 9322 202 55685 | BYG22D |
| 6080 | 9322 202 55685 | BYG22D |
| 6081 | 9340 548 67115 | PDZ22B |
| 6083 | 4822 130 11397 | BAS316 |
| 6460 | 4822 130 11397 | BAS316 |
| 6461 | 4822 130 11397 | BAS316 |
| 6464 | 4822 130 11397 | BAS316 |
| 6465 | 9340 292 50135 | BZG03-C200 |
| 6466 | 9340 292 50135 | BZG03-C200 |
| 6467 | 9340 548 71115 | PDZ33B |
| 6807⚠ | 3104 307 09981 | 932223700682 |
| 6807⚠ | 9322 237 00682 | Bridge TS6B05G-06 |
| 6807⚠ | 9322 246 54682 | TS6B05G-07 |
| 6P01 | 9322 203 12673 | BYV27-600 |
| 6P02 | 9322 203 12673 | BYV27-600 |
| 6P03 | 9322 208 83685 | BZG05C27 |
| 6P04 | 9322 208 83685 | BZG05C27 |
| 6P05⚠ | 9322 227 41687 | Bridge GBL06L-7000E3 |
| 6P06 | 9322 099 61685 | BYG10J |
| 6P07 | 9322 099 61685 | BYG10J |
| 6P09 | 4822 130 11522 | UDZ15B |
| 6P10 | 9322 202 75687 | BYW29FP-200 |
| 6P11 | 9322 202 75687 | BYW29FP-200 |
| 6P12 | 9322 202 75687 | BYW29FP-200 |
| 6P13 | 9322 202 75687 | BYW29FP-200 |
| 6P22 | 4822 130 11522 | UDZ15B |
| 6P23 | 4822 130 11522 | UDZ15B |
| 6P27 | 9322 202 55685 | BYG22D |
| 6P28 | 4822 130 11397 | BAS316 |
| 6P31 | 4822 130 11522 | UDZ15B |
| 6P34 | 4822 130 11397 | BAS316 |
| 6P47 | 9322 208 44685 | BZG05C6V8 |
| 6P50 | 4822 130 11522 | UDZ15B |
| 6P51 | 4822 130 11416 | PDZ6.8B |
| 6P53 | 4822 130 11397 | BAS316 |
| 6P80 | 4822 130 11397 | BAS316 |
| 6P81 | 4822 130 11152 | UDZ18B |
| 6P82 | 4822 130 11397 | BAS316 |
| 6P83 | 4822 130 11397 | BAS316 |
| 6P84 | 4822 130 11397 | BAS316 |
| 6P85 | 4822 130 11397 | BAS316 |
| 6P86 | 4822 130 11397 | BAS316 |
| 6S01 | 5322 130 31938 | BYV27-200 |
| 6S04 | 9340 548 69115 | PDZ27B |
| 6S05 | 4822 130 11522 | UDZ15B |
| 6S07 | 4822 130 11572 | STPS8H100F |
| 6S09 | 4822 130 11522 | UDZ15B |
| 6S10 | 9322 102 64685 | UDZ2.7B |
| 6S11 | 4822 130 11397 | BAS316 |
| 6S12 | 9322 202 55685 | BYG22D |
| 6S13 | 4822 130 11397 | BAS316 |
| 6S30 | 9322 203 12673 | BYV27-600 |
| 6S31 | 4822 130 11522 | UDZ15B |
| 6S47 | 9322 208 44685 | BZG05C6V8 |
| 6S49 | 3198 020 55680 | BZX384-C5V6 |
| 6U02 | 4822 130 11397 | BAS316 |
| 6U03 | 9322 202 55685 | BYG22D |
| 6U05 | 4822 130 11522 | UDZ15B |
| 6U07 | 4822 130 11596 | BYW29EX-200 |
| 6U09 | 4822 130 83147 | DF06M |
| 6U11 | 4822 130 11397 | BAS316 |
| 6U15 | 4822 130 11522 | UDZ15B |
| 6U22 | 9322 224 44673 | BYV26EGP-E3 |

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|---|---|---|
| 7001 | 9322 108 21682 | MC34067P |
| 7002⚠ | 9322 149 04682 | TCET1102 |
| 7004 | 3198 010 42310 | BC847BW |
| 7005 | 9322 205 26687 | FQPF18N50V2 |
| 7006 | 9322 205 26687 | FQPF18N50V2 |
| 7007 | 3198 010 42320 | BC857BW |
| 7008 | 3198 010 42320 | BC857BW |
| 7009 | 3198 010 42320 | BC857BW |
| 7010 | 9322 192 16685 | TS2431AI |
| 7013 | 3198 010 42310 | BC847BW |
| 7014 | 3198 010 42310 | BC847BW |
| 7017 | 3198 010 42320 | BC857BW |
| 7018 | 3198 010 42310 | BC847BW |
| 7030 | 3198 010 42310 | BC847BW |
| 7801 | 9340 219 30115 | BC817-25W |
| 7802 | 3198 010 42310 | BC847BW |
| 7807⚠ | 9322 149 04682 | TCET1102 |
| 7P02 | 9322 194 26687 | STP6NK60Z |
| 7P03 | 9322 192 16685 | TS2431AI |
| 7P04 | 3198 010 42310 | BC847BW |
| 7P06 | 9340 219 30115 | BC817-25W |
| 7P07 | 3198 010 42320 | BC857BW |
| 7P09 | 3198 010 42310 | BC847BW |
| 7P10 | 3198 010 42310 | BC847BW |
| 7P11⚠ | 9322 149 04682 | TCET1102 |
| 7P12⚠ | 9322 149 04682 | TCET1102 |
| 7P14 | 9340 557 69127 | PHX9NQ20T |
| 7P15 | 3198 010 42310 | BC847BW |
| 7P16 | 9322 192 16685 | TS2431AI |
| 7P19 | 3198 010 42310 | BC847BW |
| 7P20 | 9340 436 50115 | BSP030 |
| 7P21 | 3198 010 42310 | BC847BW |
| 7P22 | 3198 010 42320 | BC857BW |
| 7P23 | 9340 436 50115 | BSP030 |
| 7P24 | 3198 010 42320 | BC857BW |
| 7P26 | 9340 219 30115 | BC817-25W |

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|---|---|---|
| 7P27 | 9352 743 34518 | TEA1506AT/N1 |
| 7P38 | 3198 010 42310 | BC847BW |
| 7P80 | 3198 010 42310 | BC847BW |
| 7P81 | 9322 192 16685 | TS2431AI |
| 7P82 | 3198 010 42320 | BC857BW |
| 7S02 | 9322 194 26687 | STP6NK60Z |
| 7S03⚠ | 9322 149 04682 | TCET1102 |
| 7S04 | 9322 192 16685 | TS2431AI |
| 7S10 | 9352 700 18518 | TEA1533AT/N1 |
| 7S11 | 9340 219 30115 | BC817-25W |
| 7S31 | 9340 436 50115 | BSP030 |
| 7S40 | 3198 010 42310 | BC847BW |
| 7U01⚠ | 9322 149 04682 | TCET1102 |
| 7U02 | 9322 206 17687 | FET STP4NK80ZFP |
| 7U05 | 9322 192 16685 | TS2431AI |
| 7U10 | 9352 700 18518 | TEA1533AT/N1 |
| 7U15 | 9340 219 30115 | BC817-25W |

## Ambi Light Inverter Board [AL]

### Various

| | | |
|---|---|---|
| 1010⚠ | 2422 086 00657 | Fuse 3A 125V F SMD |
| 1011⚠ | 2422 086 00657 | Fuse 3A 125V F SMD |
| 1060 | 2422 543 01431 | Xtal 20MHz 16pF |
| 1M08 | 2422 025 08149 | Connector 6p m |
| 1M09 | 2422 025 09406 | Connector 4p m |
| 1M10 | 2422 025 08149 | Connector 6p m |
| 1M11 | 2422 025 19068 | Connector 11p m |
| 1M12 | 2422 025 09406 | Connector 4p m |
| 1M13 | 2422 025 19068 | Connector 11p m |
| 1M15 | 2422 025 19069 | Connector 3p m |
| 1M16 | 2422 025 19069 | Connector 3p m |
| 1M39 | 2422 025 10768 | Connector 3p m |
| 1M49 | 2422 025 18884 | Connector 4p m |
| 1M59 | 2422 025 19265 | Connector 5p m Bk |

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|---|---|---|
| 2001 | 2020 012 00018 | 1000µF 20% 16V |
| 2002 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2013 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2014 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2015 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2016 | 3198 034 01590 | 15pF 1% 50V 0402 |
| 2017 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2018 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2019 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2023 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2024 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2073 | 3198 034 01590 | 15pF 1% 50V 0402 |
| 2078 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2086 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2101 | 2020 012 00018 | 1000µF 20% 16V |
| 2102 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2113 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2114 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2115 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2173 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2174 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2177 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2200 | 5322 126 10223 | 4.7nF 10% 63V |
| 2201 | 2020 552 96684 | 470nF 10% 25V 0805 |
| 2202 | 5322 126 10223 | 4.7nF 10% 63V |

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|---|---|---|
| 3004 | 4822 051 20471 | 470Ω 5% 0.1W |
| 3005 | 4822 051 20561 | 560Ω 5% 0.1W |
| 3006 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3007 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3008 | 4822 051 20471 | 470Ω 5% 0.1W |
| 3009 | 4822 051 20561 | 560Ω 5% 0.1W |
| 3010 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3011 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3012 | 4822 051 20471 | 470Ω 5% 0.1W |
| 3013 | 4822 051 20561 | 560Ω 5% 0.1W |
| 3014 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3015 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3016 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3017 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3018 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3019 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3020 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3021 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3022 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3023 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3024 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3025 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3027 | 5322 117 13028 | 12kΩ 1% 0.063W 0603 |
| 3028 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3029 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3030 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3031 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3032 | 4822 053 20105 | 1MΩ 5% 0.25W |
| 3034 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3035 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3036 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3037 | 4822 051 30561 | 560Ω 5% 0.062W |
| 3038 | 4822 051 30561 | 560Ω 5% 0.062W |
| 3039 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3041 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3042 | 2120 108 00311 | 180kΩ 5% 1206 |
| 3043 | 2120 108 00311 | 180kΩ 5% 1206 |
| 3044 | 2120 108 00311 | 180kΩ 5% 1206 |
| 3045 | 2120 108 00311 | 180kΩ 5% 1206 |
| 3046 | 2120 108 00311 | 180kΩ 5% 1206 |
| 3047 | 2120 108 00311 | 180kΩ 5% 1206 |
| 3060 | 4822 051 20332 | 2.3kΩ 5% 0.1W |
| 3061 | 4822 051 20332 | 2.3kΩ 5% 0.1W |
| 3062 | 4822 051 20332 | 2.3kΩ 5% 0.1W |
| 3064 | 4822 051 30683 | 68kΩ 5% 0.062W |
| 3065 | 4822 051 30683 | 68kΩ 5% 0.062W |
| 3104 | 4822 051 20471 | 470Ω 5% 0.1W |
| 3105 | 4822 051 20561 | 560Ω 5% 0.1W |
| 3106 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3107 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3108 | 4822 051 20471 | 470Ω 5% 0.1W |
| 3109 | 4822 051 20561 | 560Ω 5% 0.1W |
| 3110 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3111 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3112 | 4822 051 20471 | 470Ω 5% 0.1W |
| 3113 | 4822 051 20561 | 560Ω 5% 0.1W |
| 3114 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3115 | 2322 762 60102 | 1kΩ 5% 2512 |
| 3117 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3118 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3119 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3120 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3124 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3125 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3129 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3130 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3131 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3132 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3133 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3134 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3136 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3137 | 5322 117 13028 | 12kΩ 1% 0.063W 0603 |
| 3150 | 4822 051 20332 | 2.3kΩ 5% 0.1W |
| 3151 | 4822 051 20332 | 2.3kΩ 5% 0.1W |
| 3152 | 4822 051 20332 | 2.3kΩ 5% 0.1W |
| 3153 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3154 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3155 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3156 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3157 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3160 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3161 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3162 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3163 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3164 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3200 | 4822 051 10102 | 1kΩ 2% 0.25W |
| 3201 | 4822 051 10102 | 1kΩ 2% 0.25W |
| 3202 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3203 | 4822 051 20105 | 1MΩ 5% 0.1W |
| 3204 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3205 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3206 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3207 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3208 | 4822 051 10102 | 1kΩ 2% 0.25W |
| 3209 | 4822 051 10102 | 1kΩ 2% 0.25W |
| 3210 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3211 | 4822 051 20105 | 1MΩ 5% 0.1W |
| 3212 | 4822 051 30221 | 220Ω 5% 0.062W |
| 9000 | 4822 051 30008 | Jumper 0603 |
| 9001 | 4822 051 10008 | Jumper 1206 |

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|---|---|---|
| 5002 | 2422 536 00923 | 22µH 10% LHL10 |
| 5007 | 2422 536 00923 | 22µH 10% LHL10 |
| 5008 | 2422 536 00923 | 22µH 10% LHL10 |
| 5011 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5014 | 2422 531 00142 | BD21506-02 |
| 5015 | 2422 531 00142 | BD21506-02 |
| 5016 | 2422 531 00142 | BD21506-02 |
| 5102 | 2422 536 00923 | 22µH 10% LHL10 |
| 5107 | 2422 536 00923 | 22µH 10% LHL10 |
| 5108 | 2422 536 00923 | 22µH 10% LHL10 |
| 5114 | 2422 531 00142 | BD21506-02 |
| 5115 | 2422 531 00142 | BD21506-02 |
| 5116 | 2422 531 00142 | BD21506-02 |
| 5200 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5201 | 4822 526 10697 | MMZ2012S601AT |
| 5202 | 4822 526 10697 | MMZ2012S601AT |
| 5203 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5204 | 4822 526 10697 | MMZ2012S601AT |
| 5205 | 4822 526 10697 | MMZ2012S601AT |

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|---|---|---|
| 6000 | 4822 130 11397 | BAS316 |
| 6001 | 4822 130 11397 | BAS316 |
| 6002 | 4822 130 11397 | BAS316 |
| 6003 | 4822 130 11397 | BAS316 |
| 6004 | 4822 130 11397 | BAS316 |
| 6005 | 4822 130 11397 | BAS316 |
| 6006 | 4822 130 11152 | UDZ18B |
| 6007 | 4822 130 11152 | UDZ18B |
| 6008 | 4822 130 11152 | UDZ18B |
| 6009 | 4822 130 11152 | UDZ18B |
| 6010 | 4822 130 11152 | UDZ18B |
| 6011 | 4822 130 11152 | UDZ18B |
| 6013 | 4822 130 11397 | BAS316 |
| 6014 | 4822 130 11397 | BAS316 |
| 6015 | 4822 130 11397 | BAS316 |
| 6016 | 4822 130 11397 | BAS316 |
| 6017 | 4822 130 11522 | UDZ15B |
| 6018 | 4822 130 11397 | BAS316 |
| 6019 | 4822 130 11551 | UDZS10B |
| 6020 | 4822 130 11397 | BAS316 |
| 6100 | 4822 130 11397 | BAS316 |
| 6101 | 4822 130 11397 | BAS316 |
| 6102 | 4822 130 11397 | BAS316 |
| 6103 | 4822 130 11397 | BAS316 |
| 6104 | 4822 130 11397 | BAS316 |
| 6105 | 4822 130 11397 | BAS316 |
| 6106 | 4822 130 11152 | UDZ18B |
| 6107 | 4822 130 11152 | UDZ18B |
| 6108 | 4822 130 11152 | UDZ18B |
| 6109 | 4822 130 11152 | UDZ18B |
| 6110 | 4822 130 11152 | UDZ18B |
| 6111 | 4822 130 11152 | UDZ18B |
| 6112 | 4822 130 11148 | UDZ4.7B |
| 6113 | 4822 130 11397 | BAS316 |
| 6114 | 4822 130 11397 | BAS316 |
| 6115 | 4822 130 11397 | BAS316 |
| 6117 | 4822 130 11397 | BAS316 |
| 6118 | 4822 130 11551 | UDZS10B |
| 6119 | 4822 130 11397 | BAS316 |
| 6120 | 4822 130 11397 | BAS316 |
| 6121 | 4822 130 11397 | BAS316 |
| 6200 | 4822 130 11397 | BAS316 |
| 6201 | 4822 130 11397 | BAS316 |
| 6202 | 4822 130 11416 | PDZ6.8B |
| 6203 | 4822 130 11397 | BAS316 |
| 6204 | 4822 130 11397 | BAS316 |
| 6205 | 4822 130 11416 | PDZ6.8B |
| 6206 | 9322 129 41685 | BZM55-C12 |

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|---|---|---|
| 7002 | 9322 202 58668 | LD1117DT50 |
| 7009 | 3198 010 42310 | BC847BW |
| 7010 | 3198 010 42310 | BC847BW |
| 7011 | 3198 010 42310 | BC847BW |
| 7015 | 9322 214 20668 | SI4946EY |
| 7016 | 9322 214 20668 | SI4946EY |
| 7017 | 9322 214 20668 | SI4946EY |
| 7018 | 3198 010 42310 | BC847BW |
| 7019 | 3198 010 42310 | BC847BW |
| 7020 | 3198 010 42310 | BC847BW |
| 7109 | 3198 010 42310 | BC847BW |
| 7110 | 3198 010 42310 | BC847BW |
| 7111 | 3198 010 42310 | BC847BW |
| 7115 | 9322 214 20668 | SI4946EY |
| 7116 | 9322 214 20668 | SI4946EY |
| 7117 | 9322 214 20668 | SI4946EY |
| 7118 | 3198 010 42310 | BC847BW |
| 7119 | 3198 010 42310 | BC847BW |
| 7120 | 3198 010 42310 | BC847BW |
| 7130 | 9340 425 10115 | BC857BS |
| 7132 | 9340 425 10115 | BC857BS |
| 7200 | 9322 217 55685 | FET SI2302ADS-E3 |
| 7201⚠ | 9322 149 04682 | TCET1102 |
| 7202 | 9322 217 55685 | FET SI2302ADS-E3 |

## Platform Supply Panel 42" [AP]

### Various

| | | |
|---|---|---|
| 1F10 | 4822 267 10565 | Connector 4p |
| 1M02 | 2422 025 11244 | Connector 7p m |
| 1M03 | 2422 025 10771 | Connector 10p m |
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|---|---|---|
| 1M10 | 2422 025 08149 | Connector 6p m |
| 1M46 | 2422 025 10655 | Connector 11p m |
| 1M63 | 2422 025 09405 | Connector 2p m |
| 1P02 | 2422 025 16374 | Connector 2p m |
| 1P03⚠ | 2422 086 00717 | Fuse 1.6A T 250V |
| 1P06⚠ | 2422 086 00678 | Fuse 5A T 250V |
| 1P07⚠ | 2422 086 00678 | Fuse 5A T 250V |
| 1P10 | 4822 267 10557 | Connector 10p |
| 1P22 | 4822 265 20723 | Connector 2p |
| 1P30⚠ | 2422 086 00663 | Fuse 1A T 250V |

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|---|---|---|
| 2F00 | 2020 024 90753 | 100µF 450V 20% |
| 2P01 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P02 | 4822 122 33177 | 10nF 20% 50V |
| 2P03 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P04 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P05 | 4822 124 81151 | 22µF 50V |
| 2P06⚠ | 2022 554 04154 | 220pF 10% 250V |
| 2P11 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P12 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P13 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P14 | 4822 121 70162 | 10nF 5% 400V |
| 2P21 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P22 | 2020 552 96683 | 220nF 10% 50V |
| 2P23 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2P24 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2P25 | 2252 053 63221 | 220pF 10% 200V 0805 |
| 2P26 | 2020 552 96683 | 220nF 10% 50V |
| 2P27 | 3198 038 41020 | 1000µF 20% 35V |
| 2P28 | 3198 038 41020 | 1000µF 20% 35V |
| 2P29 | 3198 038 41020 | 1000µF 20% 35V |
| 2P30 | 3198 038 41020 | 1000µF 20% 35V |
| 2P31 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P33 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P34 | 2020 552 96683 | 220nF 10% 50V |
| 2P35 | 2020 552 96683 | 220nF 10% 50V |
| 2P36 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P37 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P38 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P39 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2P42 | 2252 053 63221 | 220pF 10% 200V 0805 |
| 2P43 | 2252 053 63221 | 220pF 10% 200V 0805 |
| 2P45 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P47 | 4822 124 80061 | 1000µF 20% 25V |
| 2P48 | 4822 124 80061 | 1000µF 20% 25V |
| 2P49 | 4822 124 80061 | 1000µF 20% 25V |
| 2P50 | 4822 124 80061 | 1000µF 20% 25V |
| 2P53 | 2020 552 94427 | 100pF 5% 50V |
| 2P55 | 2020 552 96683 | 220nF 10% 50V |
| 2P57 | 2020 552 96683 | 220nF 10% 50V |
| 2P64 | 2252 053 63221 | 220pF 10% 200V 0805 |
| 2P80 | 2020 552 96683 | 220nF 10% 50V |
| 2S04 | 4822 126 13682 | 100pF 5% 1kV |
| 2S06⚠ | 2022 554 04154 | 220pF 10% 250V |
| 2S07 | 3198 017 34730 | 47nF 16V 0603 |
| 2S13 | 2222 930 56627 | 2.2nF 10% 200V 0805 |
| 2S14 | 4822 124 12379 | 220µF 25V |
| 2S15 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2S16 | 4822 124 81151 | 22µF 50V |
| 2S17 | 4822 124 81151 | 22µF 50V |
| 2S18 | 3198 017 34730 | 47nF 16V 0603 |
| 2S33 | 4822 124 40207 | 100µF 20% 25V |
| 2S39 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2S40 | 4822 121 70162 | 10nF 5% 400V |
| 2S41 | 2020 552 96683 | 220nF 10% 50V |
| 2S50 | 2020 021 91668 | 2200µF 20% 10V |
| 2S52 | 4822 121 70162 | 10nF 5% 400V |
| 2S54 | 3198 017 31530 | 15nF 20% 50V 0603 |
| 2S56 | 2020 552 96683 | 220nF 10% 50V |

-WW-

| | | |
|---|---|---|
| 3999 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3F01 | 2322 251 41229 | 22Ω 5% 5W |
| 3F02 | 2322 251 41229 | 22Ω 5% 5W |
| 3F04 | 2322 251 41109 | 10Ω 5% 5W |
| 3F05 | 3198 012 24730 | 47kΩ 5% |
| 3F06 | 3198 012 24730 | 47kΩ 5% |
| 3P00 | 4822 117 10833 | 10kΩ 1% 0.1W |
| 3P01 | 4822 117 10833 | 10kΩ 1% 0.1W |
| 3P02 | 4822 117 10833 | 10kΩ 1% 0.1W |
| 3P03 | 4822 117 10833 | 10kΩ 1% 0.1W |
| 3P04 | 2322 734 63309 | 33Ω 1% 0.1W 0805 |
| 3P05 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P08 | 2322 193 14477 | 0.47Ω 5% |
| 3P09 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P10 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P11 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3P12 | 4822 051 30474 | 470kΩ 5% 0.062W |
| 3P13 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P14 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P15 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P16 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3P17 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P18 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P19 | 4822 117 12891 | 220kΩ 1% |
| 3P20 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P21 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P22 | 4822 051 30474 | 470kΩ 5% 0.062W |
| 3P23 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P24 | 4822 117 12891 | 220kΩ 1% |
| 3P26 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P27 | 4822 051 30123 | 12kΩ 5% 0.1W |
| 3P28 | 3198 012 24730 | 47kΩ 5% |
| 3P29 | 4822 053 11471 | 470Ω 5% 2W |
| 3P30 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3P31 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P33 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3P34 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P36 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3P38 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P39 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P40 | 4822 051 30563 | 56kΩ 5% 0.062W |
| 3P40 | 4822 051 30683 | 68kΩ 5% 0.062W |
| 3P40 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P41 | 4822 117 12891 | 220kΩ 1% |
| 3P42 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P43 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P44 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P45 | 4822 051 30105 | 1MΩ 5% 0.062W |
| 3P46 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P47 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3P48 | 2322 734 63309 | 33Ω 1% 0.1W 0805 |
| 3P49 | 4822 051 30008 | Jumper 0603 |
| 3P50 | 4822 117 12971 | 15Ω 5% 0603 0.62W |
| 3P51 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3P52 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P53 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P54 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3P55 | 4822 051 30331 | 330Ω 5% 0.062W |
| 3P57 | 3198 012 22280 | 2.2Ω 5% 2W |
| 3P57 | 4822 053 11158 | 1R50 5% 2W |
| 3P58 | 3198 012 22280 | 2.2Ω 5% 2W |
| 3P59 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P60 | 2322 193 14477 | 0.47Ω 5% |
| 3P61 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3P62 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P63 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P64 | 2322 704 65603 | 65kΩ 0603 |
| 3P64 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3P65 | 2122 118 07025 | 6.81kΩ 0603 |
| 3P65 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P66 | 2122 118 07024 | 1.78kΩ 0603 |
| 3P66 | 5322 117 13046 | 1.8kΩ 1% 0.063W 0603 |
| 3P68 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P69 | 4822 051 30008 | Jumper 0603 |
| 3P70 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P71 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P72 | 4822 051 30334 | 330kΩ 5% 0.062W |
| 3P73 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P74 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P75 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3P76 | 4822 117 12891 | 220kΩ 1% |
| 3P77 | 2322 193 14332 | 3.3kΩ 5% 1W |
| 3P78 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3P79 | 4822 051 30272 | 2.7kΩ 5% 0.062W |
| 3P80 | 4822 051 30272 | 2.7kΩ 5% 0.062W |
| 3P81 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3P82 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P83 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3P84 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3P85 | 4822 051 30272 | 2.7kΩ 5% 0.062W |
| 3P86 | 4822 051 30331 | 330Ω 5% 0.062W |
| 3P87 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P88 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P89 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3P90 | 4822 051 30154 | 150kΩ 5% 0.062W |
| 3P91 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3P92 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3P93 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3P94 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P96 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3P97 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P98 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3P99 | 5322 117 13046 | 1.8kΩ 1% 0.063W 0603 |
| 3S01 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3S02 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3S03 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3S04 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3S08 | 2322 193 14278 | 2.7Ω 5% |
| 3S14 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3S15 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3S16 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3S17 | 4822 051 20479 | 47Ω 5% 0.1W |
| 3S18 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3S19 | 4822 051 30008 | Jumper 0603 |
| 3S20 | 4822 117 12864 | 82kΩ 5% 0.6W |
| 3S21 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3S22 | 4822 051 20479 | 47Ω 5% 0.1W |
| 3S23 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3S24 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3S28 | 3198 021 32290 | 22Ω 5% 0603 |
| 3S29 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3S30 | 4822 051 30123 | 12kΩ 5% 0.1W |
| 3S31 | 4822 051 30124 | 120kΩ 5% 0.062W |
| 3S32 | 4822 051 30334 | 330kΩ 5% 0.062W |
| 3S33 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3S34 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3S35 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3S36 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3S37 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3S39 | 3198 021 34780 | 4.7Ω 5% 0603 |
| 3S41 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3S50 | 3198 021 32290 | 22Ω 5% 0603 |
| 3S51 | 2322 193 14104 | 100kΩ 5% |
| 3S59 | 4822 117 12891 | 220kΩ 1% |
| 3S76 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 9DD6 | 3198 036 90010 | Wire 0.58mm |
| 9DD7 | 3198 036 90010 | Wire 0.58mm |
| 9DD8 | 3198 036 90010 | Wire 0.58mm |
| 9F00 | 3198 036 90010 | Wire 0.58mm |
| 9F01 | 3198 036 90010 | Wire 0.58mm |
| 9P01 | 3198 036 90010 | Wire 0.58mm |
| 9P02 | 3198 036 90010 | Wire 0.58mm |
| 9P03 | 4822 051 30008 | Jumper 0603 |
| 9P04 | 4822 051 20008 | Jumper 0805 |
| 9P05 | 3198 036 90010 | Wire 0.58mm |
| 9P06 | 3198 036 90010 | Wire 0.58mm |
| 9P07 | 3198 036 90010 | Wire 0.58mm |
| 9P08 | 3198 036 90010 | Wire 0.58mm |
| 9P09 | 3198 036 90010 | Wire 0.58mm |
| 9P10 | 3198 036 90010 | Wire 0.58mm |
| 9P11 | 3198 036 90010 | Wire 0.58mm |
| 9P12 | 3198 036 90010 | Wire 0.58mm |
| 9P13 | 3198 036 90010 | Wire 0.58mm |
| 9P14 | 3198 036 90010 | Wire 0.58mm |
| 9P15 | 3198 036 90010 | Wire 0.58mm |
| 9P16 | 3198 036 90010 | Wire 0.58mm |
| 9P17 | 3198 036 90010 | Wire 0.58mm |
| 9P18 | 3198 036 90010 | Wire 0.58mm |
| 9P19 | 3198 036 90010 | Wire 0.58mm |
| 9P20 | 3198 036 90010 | Wire 0.58mm |
| 9P21 | 3198 036 90010 | Wire 0.58mm |
| 9P22 | 3198 036 90010 | Wire 0.58mm |
| 9P23 | 3198 036 90010 | Wire 0.58mm |
| 9P24 | 3198 036 90010 | Wire 0.58mm |
| 9P25 | 3198 036 90010 | Wire 0.58mm |
| 9P26 | 3198 036 90010 | Wire 0.58mm |
| 9P27 | 3198 036 90010 | Wire 0.58mm |
| 9P28 | 3198 036 90010 | Wire 0.58mm |
| 9P29 | 3198 036 90010 | Wire 0.58mm |
| 9P30 | 3198 036 90010 | Wire 0.58mm |
| 9P32 | 3198 036 90010 | Wire 0.58mm |
| 9P33 | 3198 036 90010 | Wire 0.58mm |
| 9P34 | 3198 036 90010 | Wire 0.58mm |
| 9P35 | 3198 036 90010 | Wire 0.58mm |
| 9P36 | 3198 036 90010 | Wire 0.58mm |
| 9P37 | 3198 036 90010 | Wire 0.58mm |
| 9P38 | 3198 036 90010 | Wire 0.58mm |
| 9P39 | 3198 036 90010 | Wire 0.58mm |
| 9P40 | 3198 036 90010 | Wire 0.58mm |
| 9P41 | 3198 036 90010 | Wire 0.58mm |
| 9P42 | 3198 036 90010 | Wire 0.58mm |
| 9P43 | 3198 036 90010 | Wire 0.58mm |
| 9P44 | 3198 036 90010 | Wire 0.58mm |
| 9P45 | 3198 036 90010 | Wire 0.58mm |
| 9P46 | 3198 036 90010 | Wire 0.58mm |
| 9P47 | 3198 036 90010 | Wire 0.58mm |
| 9P48 | 3198 036 90010 | Wire 0.58mm |
| 9P49 | 3198 036 90010 | Wire 0.58mm |
| 9P50 | 3198 036 90010 | Wire 0.58mm |
| 9P51 | 3198 036 90010 | Wire 0.58mm |
| 9P52 | 3198 036 90010 | Wire 0.58mm |
| 9P53 | 3198 036 90010 | Wire 0.58mm |
| 9P54 | 3198 036 90010 | Wire 0.58mm |
| 9P56 | 3198 036 90010 | Wire 0.58mm |
| 9P57 | 3198 036 90010 | Wire 0.58mm |
| 9P58 | 4822 051 20008 | Jumper 0805 |
| 9P62 | 3198 036 90010 | Wire 0.58mm |
| 9P67 | 3198 036 90010 | Wire 0.58mm |
| 9P75 | 3198 036 90010 | Wire 0.58mm |
| 9P76 | 3198 036 90010 | Wire 0.58mm |
| 9P78 | 3198 036 90010 | Wire 0.58mm |
| 9P79 | 3198 036 90010 | Wire 0.58mm |
| 9P80 | 4822 051 20008 | Jumper 0805 |
| 9P81 | 4822 051 20008 | Jumper 0805 |
| 9S01 | 4822 051 30008 | Jumper 0603 |
| 9S02 | 4822 051 30008 | Jumper 0603 |

| | | |
|---|---|---|
| 9S03 | 3198 036 90010 | Wire 0.58mm |
| 9S10 | 3198 036 90010 | Wire 0.58mm |
| 9S16 | 3198 036 90010 | Wire 0.58mm |
| 9S17 | 3198 036 90010 | Wire 0.58mm |
| 9S18 | 3198 036 90010 | Wire 0.58mm |
| 9S24 | 3198 036 90010 | Wire 0.58mm |
| 9S25 | 3198 036 90010 | Wire 0.58mm |

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|---|---|---|
| 5F00▲ | 4822 157 11523 | Line filter 5mH/2A |
| 5P00 | 2422 531 00131 | Transf. BS25515-00 |
| 5P00▲ | 2422 531 00134 | BS25504-02B |
| 5P01 | 2422 531 00131 | Transf. BS25515-00 |
| 5P01▲ | 2422 531 00134 | BS25504-02B |
| 5P03 | 4822 157 50961 | 22µH |
| 5P04 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5P05 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5P06 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5P07 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5P08 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5P09▲ | 4822 157 11832 | 400µH 3A |
| 5P10 | 2422 549 00169 | Bead 45Ω at 100MHz |
| 5P11 | 2422 549 00169 | Bead 45Ω at 100MHz |
| 5P12 | 2422 549 00169 | Bead 45Ω at 100MHz |
| 5P13 | 2422 549 00169 | Bead 45Ω at 100MHz |
| 5P16 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5P18 | 2422 535 94636 | 3.3µF 20% |
| 5P19 | 2422 535 94636 | 3.3µF 20% |
| 5P20 | 2422 535 94636 | 3.3µF 20% |
| 5P21 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P22 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P23 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P24 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P25 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5P26 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5P27 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5P28 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5S00 | 3104 308 21181 | BS25320-00 |
| 5S01 | 4822 157 11828 | 22µH 20% 0805 |
| 5S03 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5S05 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5S08 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5S09 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5S10 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5S11 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5S12 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5S14 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5S15 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5S16 | 4822 157 11716 | Bead 30Ω at 100MHz |

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|---|---|---|
| 6P01 | 9322 203 12673 | BYV27-600 |
| 6P02 | 9322 203 12673 | BYV27-600 |
| 6P03 | 9322 208 83685 | BZG05C27 |
| 6P04 | 9322 208 83685 | BZG05C27 |
| 6P05▲ | 9322 227 41687 | Bridge GBL06L-7000E3 |
| 6P05 | 9322 233 91687 | Bridge GBL08L-7000E3 |
| 6P06 | 9322 099 61685 | BYG10J |
| 6P07 | 9322 099 61685 | BYG10J |
| 6P09 | 4822 130 11522 | UDZ15B |
| 6P10 | 9322 202 75687 | BYW29FP-200 |
| 6P11 | 9322 202 75687 | BYW29FP-200 |
| 6P12 | 9322 202 75687 | BYW29FP-200 |
| 6P13 | 9322 202 75687 | BYW29FP-200 |
| 6P14 | 4822 130 11397 | BAS316 |
| 6P15 | 4822 130 11397 | BAS316 |
| 6P22 | 4822 130 11522 | UDZ15B |
| 6P23 | 4822 130 11522 | UDZ15B |
| 6P27 | 9322 202 55685 | BYG22D |
| 6P31 | 4822 130 11522 | UDZ15B |
| 6P47 | 9322 208 44685 | BZG05C6V8 |
| 6P50 | 4822 130 11522 | UDZ15B |
| 6P51 | 4822 130 11416 | PDZ6.8B |
| 6P52 | 4822 130 11522 | UDZ15B |
| 6P53 | 4822 130 11397 | BAS316 |
| 6P80 | 4822 130 11397 | BAS316 |
| 6P81 | 4822 130 11152 | UDZ18B |
| 6P82 | 4822 130 11397 | BAS316 |
| 6P83 | 4822 130 11397 | BAS316 |
| 6P84 | 4822 130 11397 | BAS316 |
| 6P85 | 4822 130 11397 | BAS316 |
| 6S01 | 5322 130 31938 | BYV27-200 |
| 6S04 | 9340 548 69115 | PDZ27B |
| 6S05 | 4822 130 11522 | UDZ15B |
| 6S07 | 4822 130 11572 | STPS8H100F |
| 6S09 | 4822 130 11522 | UDZ15B |
| 6S10 | 9322 102 64685 | UDZ2.7B |
| 6S11 | 4822 130 11397 | BAS316 |
| 6S12 | 9322 202 55685 | BYG22D |
| 6S13 | 4822 130 11397 | BAS316 |
| 6S30 | 9322 203 12673 | BYV27-600 |
| 6S31 | 4822 130 11522 | UDZ15B |
| 6S47 | 9322 208 44685 | BZG05C6V8 |
| 6S49 | 3198 020 55680 | BZX384-C5V6 |

| | | |
|---|---|---|
| 7P02 | 9322 194 26687 | STP6NK60Z |
| 7P03 | 9322 192 16685 | TS2431AI |
| 7P04 | 3198 010 42310 | BC847BW |
| 7P06 | 9340 219 30115 | BC817-25W |
| 7P07 | 3198 010 42320 | BC857BW |
| 7P09 | 3198 010 42310 | BC847BW |
| 7P10 | 3198 010 42310 | BC847BW |
| 7P11▲ | 9322 149 04682 | TCET1102 |
| 7P12▲ | 9322 149 04682 | TCET1102 |
| 7P14 | 9340 557 69127 | PHX9NQ20T |
| 7P15 | 3198 010 42310 | BC847BW |
| 7P16 | 9322 192 16685 | TS2431AI |
| 7P16 | 9322 241 28685 | TS2431BI |
| 7P17 | 3198 010 42310 | BC847BW |
| 7P18 | 9340 436 50115 | BSP030 |
| 7P19 | 3198 010 42310 | BC847BW |
| 7P20 | 9340 436 50115 | BSP030 |
| 7P21 | 3198 010 42310 | BC847BW |
| 7P22 | 3198 010 42320 | BC857BW |
| 7P23 | 9340 436 50115 | BSP030 |
| 7P24 | 3198 010 42320 | BC857BW |
| 7P26 | 9340 219 30115 | BC817-25W |
| 7P27 | 9352 743 34518 | TEA1506AT/N1 |
| 7P38 | 3198 010 42310 | BC847BW |
| 7P80 | 3198 010 42310 | BC847BW |
| 7P81 | 9322 192 16685 | TS2431AI |
| 7P82 | 3198 010 42320 | BC857BW |
| 7S02 | 9322 194 26687 | STP6NK60Z |
| 7S03▲ | 9322 149 04682 | TCET1102 |
| 7S04 | 9322 192 16685 | TS2431AI |
| 7S10 | 9352 700 18518 | TEA1533AT/N1 |
| 7S11 | 9340 219 30115 | BC817-25W |
| 7S31 | 9340 436 50115 | BSP030 |
| 7S40 | 3198 010 42310 | BC847BW |

## Small Signal Board [B]

### Various

| | | |
|---|---|---|
| 1735 | 2422 025 16382 | Connector 3p m |
| 1736 | 4822 267 10735 | Connector 3p |
| 1738 | 4822 267 10565 | Connector 4p |
| 1A33 | 2422 086 11092 | Fuse 500mA 50V F SMD |
| 1A51 | 2422 549 44369 | SAW 38.9MHz K9656L |
| 1A52 | 2422 549 44372 | SAW 38.9MHz K3953L |
| 1B01 | 2422 033 00018 | Connector 19p f |
| 1B02 | 2422 033 00018 | Connector 19p f |
| 1C33▲ | 2422 086 11092 | Fuse 500mA 50V F SMD |
| 1C51 | 2422 549 44369 | SAW 38.9MHz K9656L |
| 1C52 | 2422 549 44372 | SAW 38.9MHz K3953L |
| 1D42 | 2422 025 18739 | Connector 5p m |
| 1E50 | 2422 025 17601 | Connector 40p f |
| 1F00 | 2422 025 17274 | Connector 10p m |
| 1F01 | 2422 540 00017 | Reson. 60MHz CSTCW |
| 1F02 | 2422 025 18741 | Connector 6p m |
| 1G50 | 2422 025 18973 | Conn. 41p f 0.5 smd |
| 1H00 | 2422 543 01397 | Xtal 27MHz 18pF |
| 1H01 | 2422 025 17775 | Socket USB 4p f |
| 1I00 | 2422 026 04811 | Socket. Cinch 3p f |
| 1I01 | 2422 026 04811 | Socket. Cinch 3p f |
| 1I02 | 2422 026 05079 | Socket Cinch 3p f |
| 1I10 | 2422 025 16984 | Connector 15p f |
| 1I11 | 2422 026 05548 | Socket phone 1p f |
| 1LA0 | 2422 543 01443 | Xtal 16MHz 20pF |
| 1M01 | 2422 025 18738 | Connector 3p m |
| 1M02 | 2422 025 11244 | Connector 7p m |
| 1M03 | 2422 025 18734 | Connector 11p m |
| 1M15 | 2422 025 10775 | Connector 3p m |
| 1M15 | 4822 267 10459 | Connector 3p |
| 1M21 | 2422 025 08149 | Connector 6p m |
| 1M36 | 2422 025 18735 | Connector 11p m |
| 1M46 | 2422 025 18735 | Connector 11p m |
| 1M59 | 2422 025 19265 | Connector 5p m Bk |
| 1N00 | 2422 543 01095 | Res. 12MHz DSX840 |
| 1O00 | 2422 543 01398 | Xtal 25MHz 18p |
| 1O10 | 2422 025 18056 | Jack 8p Ethernet |
| 1P01 | 2422 025 19501 | Socket PCMCIA H 68P f |
| 1P01 | 2422 033 00364 | Connector smartcard |
| 1T03 | 3139 147 22161 | Tuner UV1318S/AIHN-3 |
| 1T03 | 3139 147 22181 | Tuner UV1318ST/AIHN-3 |
| 1T03 | 3139 147 25251 | TUNER UV1300T/I H-3 |
| 1U01▲ | 2422 086 00623 | Fuse 3A T 125V |
| 1U04▲ | 2422 086 00623 | Fuse 3A T 125V |
| 1W05 | 3112 297 14831 | Tuner TD1316AF/PHP-3 |
| 1W05 | 3112 297 15121 | Tuner TD1316AF/PHP-2 |
| 1W20 | 2422 025 18779 | Connector 4p m |
| 8299 | 3104 301 08351 | Cable phono/140/phono |

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|---|---|---|
| 2A01 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A02 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A03 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A06 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A07 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A08 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A09 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A10 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A12 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A13 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A15 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A16 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A17 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A18 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A19 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A20 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A21 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2A22 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A23 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2A25 | 4822 124 23002 | 10µF 16V |
| 2A27 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A28 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A29 | 4822 124 23002 | 10µF 16V |
| 2A30 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A31 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A33 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A35 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A36 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A39 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A40 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A42 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A44 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A45 | 4822 124 23002 | 10µF 16V |
| 2A52 | 4822 124 23002 | 10µF 16V |
| 2A53 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A54 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2A55 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A56 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A57 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A59 | 3198 032 55130 | 10µF 20% 20V |
| 2A60 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A61 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A63 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A65 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A67 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A68 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A69 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A70 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A71 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A74 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2A81 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A82 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A84 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A85 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 2A88 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A89 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A90 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A91 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 2A92 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 2A93 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2A96 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A97 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2A98 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 2A99 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 2B00 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B01 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B04 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B05 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B07 | 3198 034 01580 | 1.5pF 1% 50V 0402 |
| 2B08 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2B09 | 3198 034 01580 | 1.5pF 1% 50V 0402 |
| 2B10 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2B11 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B14 | 3198 034 01580 | 1.5pF 1% 50V 0402 |
| 2B15 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2B16 | 3198 034 01580 | 1.5pF 1% 50V 0402 |
| 2B17 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2B20 | 3198 034 01580 | 1.5pF 1% 50V 0402 |
| 2B21 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B22 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B23 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B24 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B25 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B26 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B27 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B28 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B29 | 2020 552 96628 | 10nF 10% 16V 0402 |

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|---|---|---|
| 2B30 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B31 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B32 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2B33 | 3198 034 01580 | 1.5pF 1% 50V 0402 |
| 2B34 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2B35 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B36 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2B38 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2B39 | 2020 004 00003 | 330µF 20% 6.3V |
| 2B39 | 2022 009 00703 | 330µF 20% 6.3V |
| 2B40 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B41 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B42 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B49 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B51 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B52 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B53 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B62 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B64 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B67 | 4822 124 81058 | 47µF 20% 4V |
| 2B69 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B77 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B79 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B80 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B81 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2B89 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2B90 | 4822 124 81058 | 47µF 20% 4V |
| 2B92 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2BA0 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2BA1 | 3198 035 14720 | 4.7nF 5% 25V 0402 |
| 2BA2 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2BA3 | 3198 035 14720 | 4.7nF 5% 25V 0402 |
| 2C01 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C02 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C03 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C06 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C07 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C08 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C09 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C12 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C13 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C15 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C16 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C17 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C18 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C19 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C20 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C21 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2C22 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C23 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2C25 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2C27 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C28 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C31 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C32 | 4822 124 12108 | 100µF 20% 4V |
| 2C35 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C36 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C39 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C40 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C41 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2C42 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C44 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C45 | 4822 124 23002 | 10µF 16V |
| 2C46 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C47 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C48 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C49 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C52 | 4822 124 23002 | 10µF 16V |
| 2C53 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C55 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C56 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C57 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C59 | 4822 124 23002 | 10µF 16V |
| 2C60 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C61 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C62 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C63 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C65 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C67 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C68 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C69 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2C70 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C72 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2C73 | 4822 124 23002 | 10µF 16V |
| 2C74 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C78 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C79 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2C82 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2C84 | 2020 552 00217 | 270pF 5% 50V 0402 |
| 2C84 | 3198 035 02210 | 220pF 5% 50V 0402 |
| 2C85 | 4822 126 14524 | 68pF 5% 50V 0402 |
| 2C86 | 3198 034 03380 | 3.3pF 1% 50V 0402 |
| 2C99 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2D00 | 2020 021 00213 | 220µF 25V 20% |
| 2D00 | 2020 021 00215 | 220µF 20% 25V |
| 2D01 | 2020 021 00213 | 220µF 25V 20% |
| 2D01 | 2020 021 00215 | 220µF 20% 25V |
| 2D02 | 2020 021 00213 | 220µF 25V 20% |
| 2D02 | 2020 021 00215 | 220µF 20% 25V |
| 2D03 | 2020 021 00213 | 220µF 25V 20% |
| 2D03 | 2020 021 00215 | 220µF 20% 25V |
| 2D04 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2D05 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2D06 | 3198 034 02280 | 2.2pF 1% 50V 0402 |
| 2D06 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2D07 | 3198 034 02280 | 2.2pF 1% 50V 0402 |
| 2D07 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2D08 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2D09 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2D10 | 2022 552 05615 | 2.2µF 10% 6.3V 0805 |
| 2D10 | 2250 200 13667 | 2.2µF 10% 6.3V 0805 |
| 2D11 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2D12 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2D13 | 2020 552 96684 | 470nF 10% 25V 0805 |
| 2D13 | 2020 552 96828 | 470nF 20% 25V |
| 2D15 | 2020 552 96684 | 470nF 10% 25V 0805 |
| 2D15 | 2020 552 96828 | 470nF 20% 25V |
| 2D17 | 3198 034 02280 | 2.2pF 1% 50V 0402 |
| 2D17 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2D18 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D19 | 2222 580 15649 | 100nF 10% 50V 0805 |
| 2D20 | 2020 552 96684 | 470nF 10% 25V 0805 |
| 2D20 | 2020 552 96828 | 470nF 20% 25V |
| 2D21 | 2020 552 96684 | 470nF 10% 25V 0805 |
| 2D21 | 2020 552 96828 | 470nF 20% 25V |
| 2D22 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D23 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D24 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D25 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2D25 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2D26 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2D26 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2D27 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D28 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D29 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D30 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D31 | 3198 034 02280 | 2.2pF 1% 50V 0402 |
| 2D31 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2D32 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D33 | 2222 580 15649 | 100nF 10% 50V 0805 |
| 2D34 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D35 | 2020 552 96684 | 470nF 10% 25V 0805 |
| 2D35 | 2020 552 96828 | 470nF 20% 25V |
| 2D37 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2D38 | 2020 552 96684 | 470nF 10% 25V 0805 |
| 2D38 | 2020 552 96828 | 470nF 20% 25V |
| 2D40 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2D41 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2D42 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D43 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D44 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D45 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D46 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2D47 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D48 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D49 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D50 | 2020 552 96828 | 470nF 20% 25V |
| 2D52 | 2020 552 96828 | 470nF 20% 25V |
| 2D54 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2D55 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D56 | 2222 580 15649 | 100nF 10% 50V 0805 |
| 2D57 | 2020 552 96683 | 220nF 10% 50V |
| 2D58 | 2020 552 96683 | 220nF 10% 50V |
| 2D59 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D60 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D61 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D62 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2D63 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2D64 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D65 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D66 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D67 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D68 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2D69 | 2020 552 96621 | 1.5nF 10% 50V 0402 |
| 2D70 | 2222 580 15649 | 100nF 10% 50V 0805 |
| 2D71 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D72 | 2020 552 96828 | 470nF 20% 25V |
| 2D75 | 2020 552 96828 | 470nF 20% 25V |
| 2D77 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2D78 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2D79 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2D80 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2D80 | 2020 552 96623 | 2.2nF 10% 50V 0402 |
| 2D81 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2D82 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2D82 | 2020 552 96623 | 2.2nF 10% 50V 0402 |
| 2D83 | 2020 021 00213 | 220µF 25V 20% |
| 2D83 | 2020 021 00215 | 220µF 20% 25V |
| 2D84 | 2020 021 00213 | 220µF 25V 20% |
| 2D84 | 2020 021 00215 | 220µF 20% 25V |
| 2D91 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2D92 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2D93 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2D94 | 3198 017 34730 | 47nF 16V 0603 |
| 2D95 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2DA2 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2DA3 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2DD1 | 2020 021 00213 | 220µF 25V 20% |
| 2DD1 | 2020 021 00215 | 220µF 20% 25V |
| 2DD2 | 2020 021 00213 | 220µF 25V 20% |
| 2DD2 | 2020 021 00215 | 220µF 20% 25V |
| 2DF1 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2DG1 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2DG2 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2DG3 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2DG4 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2DH1 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2DH2 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2DH2 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2DH3 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2DH6 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2DH7 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2DH8 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2DH9 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2F00 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F00 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F01 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F01 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F02 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F02 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F03 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F03 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F04 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F04 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F05 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F05 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F06 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F06 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F07 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F07 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F08 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F08 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F09 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F09 | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0C | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0C | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0D | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0D | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0E | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0E | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0F | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0F | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0G | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0G | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0H | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0H | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0I | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0I | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0J | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0J | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0M | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0M | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0N | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2F0N | 3198 034 04780 | 4.7pF 50V NP0 0402 |
| 2F0Q | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F0R | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F0S | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F0T | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F0U | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F0V | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F0W | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F0Y | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F0Z | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F10 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F11 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F12 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F13 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F14 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F15 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F16 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F17 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F18 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F19 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1A | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1B | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1C | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1D | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1E | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1F | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1G | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1H | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F1I | 2020 552 96628 | 10nF 10% 16V 0402 |

| | | |
|---|---|---|
| 2F1J | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1K | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1L | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1M | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1N | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1P | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1Q | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1R | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1S | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1T | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1U | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1V | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1W | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1Y | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F1Z | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F20 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F21 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F22 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F23 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F24 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F25 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F26 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F27 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F28 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F29 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F2A | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F2B | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F2D | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F2I | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F2K | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2F2L | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2F2N | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F2P | 3198 035 04710 | 470pF 50V 0402 |
| 2F2Q | 3198 035 04710 | 470pF 50V 0402 |
| 2F2R | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F30 | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F31 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F32 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F33 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F34 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F35 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F36 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F37 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F38 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F39 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3A | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3B | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3C | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3D | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F3E | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F3F | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F3G | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F3H | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3I | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3J | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3K | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3L | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3M | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3N | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3P | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3Q | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3R | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F3S | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F3T | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F42 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F46 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F47 | 2022 552 05635 | 22µF 10% 16V |
| 2F48 | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F49 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4A | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F4B | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F4C | 2022 552 05615 | 2.2µF 10% 6.3V 0805 |
| 2F4C | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F4C | 2250 200 13667 | 2.2µF 10% 6.3V 0805 |
| 2F4D | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4E | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F4F | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2F4G | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F4G | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2F4H | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F4J | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4K | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4L | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4M | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4N | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4P | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4Q | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4T | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4U | 4822 124 81058 | 47µF 20% 4V |
| 2F4V | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F4W | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4Y | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F4Z | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F50 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F51 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F52 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F53 | 4822 124 81058 | 47µF 20% 4V |
| 2F54 | 4822 124 81058 | 47µF 20% 4V |
| 2F55 | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F57 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2F5D | 3198 035 04710 | 470pF 50V 0402 |
| 2F60 | 4822 124 81058 | 47µF 20% 4V |
| 2F61 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F62 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F63 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F64 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F65 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F66 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F67 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F68 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F69 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F6A | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F6B | 2020 552 00141 | 4.7µF 10% 6.3V 0805 |
| 2F72 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F73 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F74 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F75 | 4822 124 81058 | 47µF 20% 4V |
| 2F77 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F78 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F79 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F80 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F81 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F82 | 4822 124 81058 | 47µF 20% 4V |
| 2F83 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F84 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2F85 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2H01 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2H02 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2H03 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2H05 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2H06 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2H07 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2H08 | 3198 034 02790 | 47pF 1% 50V 0402 |
| 2H09 | 3198 034 02790 | 47pF 1% 50V 0402 |
| 2H12 | 3198 034 02790 | 47pF 1% 50V 0402 |
| 2I01 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I02 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I03 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2I04 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2I07 | 4822 124 12108 | 100µF 20% 4V |
| 2I08 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2I09 | 4822 124 23002 | 10µF 16V |
| 2I10 | 4822 124 23002 | 10µF 16V |
| 2I12 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I13 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I18 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2I22 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I23 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I25 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I26 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I27 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2I31 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2I51 | 4822 126 11785 | 47pF 5% 50V 0603 |
| 2I52 | 4822 126 11785 | 47pF 5% 50V 0603 |
| 2I53 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2I54 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2I55 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2I56 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2I60 | 4822 124 12095 | 100µF 20% 16V |
| 2I61 | 4822 124 12095 | 100µF 20% 16V |
| 2I62 | 2020 012 93822 | 47µF 20% 16V |
| 2I62 | 4822 124 80151 | 47µF 16V |
| 2I80 | 4822 124 12095 | 100µF 20% 16V |
| 2I81 | 4822 124 12095 | 100µF 20% 16V |
| 2I83 | 2020 012 93822 | 47µF 20% 16V |
| 2I83 | 4822 124 80151 | 47µF 16V |
| 2I90 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2J01 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J03 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J05 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J06 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J08 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J10 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J13 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J16 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J18 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J20 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2J22 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2J23 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2J24 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2J25 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2K38 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K39 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K40 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2K41 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2K42 | 3198 032 47170 | 47µF 20% 16V |
| 2K43 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2K45 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2K58 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K60 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K61 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K63 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K67 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K68 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K69 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K70 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K71 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K72 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K73 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K74 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K75 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K76 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2K77 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2L02 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L03 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L04 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L06 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2L07 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L08 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2L09 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L10 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L11 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2L12 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2L13 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2L14 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2L15 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2L16 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2L17 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L18 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2L19 | 2020 552 96807 | 1µF 10% 10V 0603 |
| 2L20 | 2020 552 96807 | 1µF 10% 10V 0603 |
| 2L21 | 2020 552 96807 | 1µF 10% 10V 0603 |
| 2L22 | 2020 552 96807 | 1µF 10% 10V 0603 |
| 2L23 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2L50 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L51 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L52 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L53 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L54 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L55 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L56 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L57 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L58 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L59 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2L60 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2L61 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L62 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L63 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2L64 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2L65 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2L66 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L67 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L68 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L69 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L70 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L71 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L72 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2L73 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2L74 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LA0 | 4822 126 14519 | 22pF 5% 50V 0402 |
| 2LA1 | 4822 126 14519 | 22pF 5% 50V 0402 |
| 2LA2 | 2238 869 15109 | 10pF 5% 50V 0402 |
| 2LA4 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LA5 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2LA6 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2LA7 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2LA8 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2LA9 | 3198 035 03320 | 3.3nF 5% 50V 0402 |
| 2LB0 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LB1 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LB3 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LB4 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LC0 | 4822 124 12108 | 100µF 20% 4V |
| 2LC1 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2LC2 | 4822 124 12108 | 100µF 20% 4V |
| 2LC3 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2LC4 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LC5 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LC6 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LC7 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LC8 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2LC9 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2LD0 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2LD1 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LD2 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2LD3 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LD4 | 4822 124 12108 | 100µF 20% 4V |
| 2LD5 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LD6 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LD7 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LD8 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LD9 | 2020 552 96618 | 1nF 10% 50V 0402 |

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|---|---|---|
| 2LE0 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LE1 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2LE1 | 2222 780 15663 | 1μF 10% 0805 |
| 2LE2 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2LE2 | 2222 780 15663 | 1μF 10% 0805 |
| 2LE3 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LE4 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LE7 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LF0 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LF1 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LF2 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LF3 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LF4 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LF5 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LF6 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LF7 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LF8 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2LF8 | 2222 780 15663 | 1μF 10% 0805 |
| 2LF9 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2LF9 | 2222 780 15663 | 1μF 10% 0805 |
| 2LG0 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LG1 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LG3 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LG4 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LG5 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LG6 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LH0 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2LH1 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2LH2 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LH3 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LH4 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LH5 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2LH6 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2LH7 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LH8 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2LJ1 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LN3 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LN4 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LN5 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LN6 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LN7 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LN8 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LP2 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LP3 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LS5 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LT0 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2LT1 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LT2 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LT3 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LT4 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LT5 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LT6 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2LT7 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LT8 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2LT9 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2M00 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2M01 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M02 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2M03 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2M04 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2M05 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2M06 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2M07 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M08 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M0D | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M0H | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M0I | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2M0J | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M10 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M11 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2M12 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M14 | 2022 031 00373 | 470μF 20% 16V |
| 2M16 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M17 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M1B | 2020 552 94427 | 100pF 5% 50V |
| 2M1C | 2020 552 94427 | 100pF 5% 50V |
| 2M1D | 2020 552 94427 | 100pF 5% 50V |
| 2M1E | 2020 552 94427 | 100pF 5% 50V |
| 2M1F | 2020 552 94427 | 100pF 5% 50V |
| 2M1G | 2020 552 94427 | 100pF 5% 50V |
| 2M1H | 2020 552 94427 | 100pF 5% 50V |
| 2M1H | 4822 051 30102 | 1kΩ 5% 0.062W |
| 2M1H | 4822 117 13548 | 1kΩ 5% 0402 |
| 2M1I | 2020 552 94427 | 100pF 5% 50V |
| 2M1J | 2020 552 94427 | 100pF 5% 50V |
| 2M1K | 2020 552 94427 | 100pF 5% 50V |
| 2M1N | 2020 552 94427 | 100pF 5% 50V |
| 2M1Q | 2020 552 94427 | 100pF 5% 50V |
| 2M1R | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2M1S | 4822 124 11131 | 47μF 6.3V |
| 2M1T | 4822 124 11131 | 47μF 6.3V |
| 2M40 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2M41 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2M42 | 2238 586 59812 | 100nF 20% 50V 0603 |

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|---|---|---|
| 2M43 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2M44 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M45 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M46 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M47 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M48 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M49 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M4A | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2M4B | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2M4K | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2M4L | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2M51 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M52 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M53 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M54 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M55 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M56 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M57 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M58 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M59 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5A | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5B | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5C | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5D | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5E | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5H | 4822 126 14519 | 22pF 5% 50V 0402 |
| 2M5I | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5J | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5K | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5L | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5N | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5P | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5Q | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5R | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5S | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5T | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5U | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M5V | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2M6B | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2M6C | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2M6D | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2M80 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2M81 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2M82 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2M84 | 2020 004 90283 | 10μF 20% 10V 1206 |
| 2M85 | 2020 004 90283 | 10μF 20% 10V 1206 |
| 2N00 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 2N01 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 2N02 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N03 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N04 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N05 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N06 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N07 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N08 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N09 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N10 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N11 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N12 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N13 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2N50 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2N51 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2N52 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2N53 | 4822 124 12108 | 100μF 20% 4V |
| 2O00 | 4822 126 14519 | 22pF 5% 50V 0402 |
| 2O01 | 4822 126 14519 | 22pF 5% 50V 0402 |
| 2O02 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O03 | 4822 124 23002 | 10μF 16V |
| 2O04 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2O05 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2O06 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2O07 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2O10 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2O11 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O12 | 2020 552 00141 | 4.7μF 10% 6.3V 0805 |
| 2O13 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O14 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O15 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O16 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O17 | 2020 552 00141 | 4.7μF 10% 6.3V 0805 |
| 2O18 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O19 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O20 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O21 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O22 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O23 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O24 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O25 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O26 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O27 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O28 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P02 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P03 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P04 | 2238 586 59812 | 100nF 20% 50V 0603 |

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|---|---|---|
| 2P06 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P07 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P09 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2P10 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P15 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P16 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P18 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P19 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P20 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P22 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P23 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P24 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2P25 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2P31 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P32 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P33 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P35 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P40 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P41 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P44 | 2020 004 90283 | 10μF 20% 10V 1206 |
| 2P76 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P77 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P80 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P81 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2P82 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q00 | 2250 200 13672 | 4.7μF 10% 6.3V 0805 |
| 2Q01 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2Q01 | 2222 780 15663 | 1μF 10% 0805 |
| 2Q02 | 2250 200 13672 | 4.7μF 10% 6.3V 0805 |
| 2Q03 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2Q03 | 2222 780 15663 | 1μF 10% 0805 |
| 2Q04 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q05 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q06 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q07 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q08 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q09 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q10 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q11 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q12 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q13 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q14 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q15 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q16 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q17 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q18 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q19 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q20 | 2250 200 13672 | 4.7μF 10% 6.3V 0805 |
| 2Q21 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q22 | 2250 200 13672 | 4.7μF 10% 6.3V 0805 |
| 2Q23 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q24 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q25 | 3198 034 01290 | 12pF 1% 50V 0402 |
| 2Q26 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q27 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q28 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q29 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2Q30 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q31 | 4822 126 14249 | 560pF 10% 50V 0603 |
| 2Q32 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q33 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q34 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q35 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q36 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q37 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q38 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q39 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q40 | 2250 200 13672 | 4.7μF 10% 6.3V 0805 |
| 2Q41 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q42 | 2250 200 13672 | 4.7μF 10% 6.3V 0805 |
| 2Q43 | 2022 552 05679 | 1μF 10% 16V 0805 |
| 2Q44 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q45 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q46 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q47 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q48 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q49 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q50 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q51 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q52 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q53 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q54 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q55 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q56 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q57 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q58 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q59 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q60 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q61 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2Q62 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2Q63 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q64 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q65 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Q66 | 2238 586 59812 | 100nF 20% 50V 0603 |

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|---|---|---|
| 2Q67 | 2250 200 13672 | 4.7µF 10% 6.3V 0805 |
| 2Q68 | 2250 200 13672 | 4.7µF 10% 6.3V 0805 |
| 2Q69 | 2250 200 13672 | 4.7µF 10% 6.3V 0805 |
| 2Q70 | 2250 200 13672 | 4.7µF 10% 6.3V 0805 |
| 2Q71 | 2250 200 13672 | 4.7µF 10% 6.3V 0805 |
| 2Q72 | 2250 200 13672 | 4.7µF 10% 6.3V 0805 |
| 2Q73 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q74 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q75 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q76 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q77 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q78 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q79 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q80 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2Q82 | 2020 021 00215 | 220µF 20% 25V |
| 2Q83 | 2020 021 00215 | 220µF 20% 25V |
| 2R00 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R01 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R02 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R03 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R04 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R05 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R06 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R07 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R08 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R09 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R10 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R11 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2R11 | 2222 780 15663 | 1µF 10% 0805 |
| 2R12 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2R12 | 2222 780 15663 | 1µF 10% 0805 |
| 2R13 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R14 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R15 | 2020 552 96637 | 10µF 10% 6.3V 0805 |
| 2R16 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2R16 | 2222 780 15663 | 1µF 10% 0805 |
| 2R17 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R18 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R19 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R20 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R21 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R23 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R25 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R26 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R28 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R29 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R30 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R31 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R32 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R33 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R34 | 4822 124 81058 | 47µF 20% 4V |
| 2R35 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R36 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R37 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R41 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R42 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R43 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R44 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2R44 | 2222 780 15663 | 1µF 10% 0805 |
| 2R46 | 4822 124 81058 | 47µF 20% 4V |
| 2R47 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R48 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R49 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R50 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R51 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R52 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R53 | 2020 552 96637 | 10µF 10% 6.3V 0805 |
| 2R54 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R55 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R56 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R57 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R58 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R59 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R60 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R61 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2R61 | 2222 780 15663 | 1µF 10% 0805 |
| 2R62 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R63 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R64 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R65 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R66 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R67 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R68 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R69 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R70 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R71 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R72 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R73 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R74 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R75 | 4822 124 81058 | 47µF 20% 4V |
| 2R76 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R77 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2R78 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R79 | 2238 787 15641 | 22nF 5% 16V 0402 |

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|---|---|---|
| 2R80 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R81 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2R81 | 2222 780 15663 | 1µF 10% 0805 |
| 2R82 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R83 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R84 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R86 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R87 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R88 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R89 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R90 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R91 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R92 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R93 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2R94 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R95 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R96 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2R97 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R98 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2R99 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2RA1 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2RA2 | 2020 021 00213 | 220µF 25V 20% |
| 2RA2 | 2020 021 00215 | 220µF 20% 25V |
| 2RA2 | 2020 021 00258 | 220µF 20% 25V |
| 2RA3 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2RA4 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2RA5 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2RA6 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2RA6 | 2222 780 15663 | 1µF 10% 0805 |
| 2RA7 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2RA7 | 2222 780 15663 | 1µF 10% 0805 |
| 2RA8 | 2020 552 96637 | 10µF 10% 6.3V 0805 |
| 2RA9 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2RB2 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2RB2 | 2222 780 15663 | 1µF 10% 0805 |
| 2RB3 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2RB5 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2RB5 | 2222 780 15663 | 1µF 10% 0805 |
| 2RB6 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2RB6 | 2222 780 15663 | 1µF 10% 0805 |
| 2RC5 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2RC6 | 2020 021 00213 | 220µF 25V 20% |
| 2RC6 | 2020 021 00215 | 220µF 20% 25V |
| 2RC6 | 2020 021 00258 | 220µF 20% 25V |
| 2RC7 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2RC8 | 2020 552 96637 | 10µF 10% 6.3V 0805 |
| 2T01 | 2020 552 96683 | 220nF 10% 50V |
| 2T02 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2T03 | 4822 126 13879 | 220nF +80-20% 16V |
| 2T04 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2T05 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2T08 | 2020 552 96683 | 220nF 10% 50V |
| 2T09 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2T10 | 3198 034 04790 | 27pF 1% 50V 0402 |
| 2T12 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2T13 | 3198 034 04790 | 27pF 1% 50V 0402 |
| 2T14 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2T17 | 4822 124 11946 | 22µF 20% 16V |
| 2T21 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2T22 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2T23 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2T24 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2T25 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2T26 | 2020 552 96683 | 220nF 10% 50V |
| 2T27 | 3198 032 47170 | 47µF 20% 16V |
| 2T28 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2T29 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2T31 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2T32 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U00 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U01 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U02 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U03 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U04 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U05 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U06 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U07 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U08 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U09 | 2022 552 05635 | 22µF 10% 16V |
| 2U0A | 2022 552 05635 | 22µF 10% 16V |
| 2U0B | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U0C | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0D | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U0E | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U0F | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0G | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U0H | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0I | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0J | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0K | 2022 552 05635 | 22µF 10% 16V |
| 2U0L | 2022 552 05635 | 22µF 10% 16V |
| 2U0M | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U0N | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0P | 2020 552 96628 | 10nF 10% 16V 0402 |

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|---|---|---|
| 2U0Q | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U0R | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0S | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U0T | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0U | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0V | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U0W | 2022 552 05635 | 22µF 10% 16V |
| 2U0Y | 2022 552 05635 | 22µF 10% 16V |
| 2U0Z | 3198 035 04710 | 470pF 50V 0402 |
| 2U10 | 3198 035 04710 | 470pF 50V 0402 |
| 2U11 | 3198 035 04710 | 470pF 50V 0402 |
| 2U12 | 2022 552 05635 | 22µF 10% 16V |
| 2U13 | 2022 552 05635 | 22µF 10% 16V |
| 2U14 | 2022 552 05635 | 22µF 10% 16V |
| 2U15 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U16 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U17 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U18 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U19 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U1A | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2U1B | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U1C | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2U1D | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U1E | 2020 552 96623 | 2.2nF 10% 50V 0402 |
| 2U1F | 5322 124 41945 | 22µF 20% 35V |
| 2U1G | 5322 124 41945 | 22µF 20% 35V |
| 2U1I | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U1J | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U1K | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U1M | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U1N | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U1P | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U1Q | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U1R | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U1S | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U1T | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U1U | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U1W | 2020 552 96623 | 2.2nF 10% 50V 0402 |
| 2U1Y | 2020 552 96623 | 2.2nF 10% 50V 0402 |
| 2U1Z | 2020 552 96623 | 2.2nF 10% 50V 0402 |
| 2U22 | 2020 552 96684 | 470nF 10% 25V 0805 |
| 2U24 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U25 | 2238 787 15641 | 22nF 5% 16V 0402 |
| 2U28 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U29 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U32 | 2020 021 00215 | 220µF 20% 25V |
| 2U33 | 2020 021 00215 | 220µF 20% 25V |
| 2U34 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U35 | 2020 021 00215 | 220µF 20% 25V |
| 2U36 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U41 | 5322 124 41945 | 22µF 20% 35V |
| 2U43 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 2U44 | 3198 035 02210 | 220pF 5% 50V 0402 |
| 2U45 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U46 | 2020 552 96683 | 220nF 10% 50V |
| 2U60 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U61 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U62 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U63 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2U64 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U65 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U66 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U67 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U68 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U69 | 2022 552 05635 | 22µF 10% 16V |
| 2U6A | 2022 552 05635 | 22µF 10% 16V |
| 2U6B | 3198 035 04710 | 470pF 50V 0402 |
| 2U6C | 2022 552 05635 | 22µF 10% 16V |
| 2U6D | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U6E | 2020 552 96623 | 2.2nF 10% 50V 0402 |
| 2U6F | 5322 124 41945 | 22µF 20% 35V |
| 2U6G | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2U6H | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U6I | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2U6J | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2U6K | 5322 124 41945 | 22µF 20% 35V |
| 2U6N | 2020 552 96623 | 2.2nF 10% 50V 0402 |
| 2V00 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2V01 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2V02 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2V03 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V04 | 2020 552 96618 | 1nF 10% 50V 0402 |
| 2V05 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V06 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V06 | 2222 780 15663 | 1µF 10% 0805 |
| 2V07 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V07 | 2222 780 15663 | 1µF 10% 0805 |
| 2V08 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V08 | 2222 780 15663 | 1µF 10% 0805 |
| 2V09 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V09 | 2222 780 15663 | 1µF 10% 0805 |
| 2V10 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V10 | 2222 780 15663 | 1µF 10% 0805 |
| 2V11 | 2022 552 05679 | 1µF 10% 16V 0805 |

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|---|---|---|
| 2V11 | 2222 780 15663 | 1µF 10% 0805 |
| 2V12 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V12 | 2222 780 15663 | 1µF 10% 0805 |
| 2V13 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V13 | 2222 780 15663 | 1µF 10% 0805 |
| 2V14 | 2020 021 00215 | 220µF 20% 25V |
| 2V16 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V17 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V18 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V19 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V20 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V21 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V22 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V23 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V24 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V25 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V26 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V27 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V28 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V29 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V30 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V31 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V32 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V36 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2V37 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2V38 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2V39 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V40 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V41 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V42 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V43 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V44 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V45 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V46 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V47 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V48 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V49 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2V50 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2V51 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2V52 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2V53 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2V54 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V54 | 2222 780 15663 | 1µF 10% 0805 |
| 2V55 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2V55 | 2222 780 15663 | 1µF 10% 0805 |
| 2V56 | 2238 869 15101 | 100pF 5% 50V 0402 |
| 2W01 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W04 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W09 | 4822 124 11946 | 22µF 20% 16V |
| 2W14 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W15 | 4822 126 14472 | 1µF 10% 10V 0805 |
| 2W16 | 4822 126 14472 | 1µF 10% 10V 0805 |
| 2W18 | 3198 035 71040 | 100nF 10% 16V 0402 |
| 2W53 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W54 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W55 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W57 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W58 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W59 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W60 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W63 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W64 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W65 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W66 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W71 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W72 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W73 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W74 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W75 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W76 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2W78 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W79 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2W80 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2W81 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W86 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2W91 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2W92 | 2020 552 96628 | 10nF 10% 16V 0402 |
| 2W93 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Y38 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2Y39 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2Y40 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Y41 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Y42 | 2020 012 93822 | 47µF 20% 16V |
| 2Y42 | 4822 124 80151 | 47µF 16V |
| 2Y43 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Y45 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Z04 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z05 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z06 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z07 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z08 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z09 | 4822 051 30759 | 75Ω 5% 0.062W |
| 2Z10 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z20 | 4822 051 30331 | 330Ω 5% 0.062W |

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|---|---|---|
| 2Z21 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z22 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z23 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z24 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z25 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z26 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z27 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z28 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z50 | 4822 051 30331 | 330Ω 5% 0.062W |
| 2Z51 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2Z52 | 2238 586 59812 | 100nF 20% 50V 0603 |

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|---|---|---|
| 3A01 | 3198 031 06810 | 680Ω 5% 0.01W 0402 |
| 3A05 | 3198 031 01810 | 180Ω 5% 0402 |
| 3A06 | 3198 031 02710 | 270Ω 5% 0.1W 0402 |
| 3A10 | 3198 031 04730 | 47Ω 5% 0402 |
| 3A11 | 3198 031 01830 | 18kΩ 5% 0.01W 0402 |
| 3A12 | 3198 031 04730 | 47Ω 5% 0402 |
| 3A13 | 3198 031 04730 | 47Ω 5% 0402 |
| 3A14 | 3198 031 01830 | 18kΩ 5% 0.01W 0402 |
| 3A15 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3A17 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3A19 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3A20 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3A21 | 3198 031 02730 | 27kΩ 5% 0402 |
| 3A22 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3A23 | 3198 031 02730 | 27kΩ 5% 0402 |
| 3A24 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3A25 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3A26 | 3198 031 04730 | 47Ω 5% 0402 |
| 3A27 | 3198 031 04730 | 47Ω 5% 0402 |
| 3A28 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3A29 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3A31⚠ | 5322 117 11726 | 10Ω 5% |
| 3A33 | 3198 031 01810 | 180Ω 5% 0402 |
| 3A38 | 3198 031 04730 | 47Ω 5% 0402 |
| 3A39 | 4822 117 13545 | 100Ω 1% 0402 |
| 3A40 | 4822 117 13545 | 100Ω 1% 0402 |
| 3A42 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3A45 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3A46 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3A50 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3A53 | 3198 031 03910 | 390Ω 1% 0402 |
| 3A56 | 3198 031 06820 | 6.8kΩ 5% 0.01W 0402 |
| 3A57 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3A60 | 3198 031 02730 | 27kΩ 5% 0402 |
| 3A65 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3A67 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3A80 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B02 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B02 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3B03 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B03 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3B04 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3B05 | 3198 031 04730 | 47Ω 5% 0402 |
| 3B06 | 3198 031 04730 | 47Ω 5% 0402 |
| 3B07 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B07 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3B08 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B08 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3B14 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B14 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3B15 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B15 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3B16 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3B17 | 3198 031 04730 | 47Ω 5% 0402 |
| 3B18 | 3198 031 04730 | 47Ω 5% 0402 |
| 3B19 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B19 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3B20 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B20 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3B23 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B24 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B30 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3B32 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3B34 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3B36 | 3198 031 01230 | 12kΩ 5% 0402 |
| 3B37 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B38 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B40 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B41 | 3198 031 03390 | 33Ω 1% 0402 |
| 3B43 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3B44 | 3198 031 03390 | 33Ω 1% 0402 |
| 3B45 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3B46 | 3198 031 03390 | 33Ω 1% 0402 |
| 3B48 | 2322 706 71002 | 1kΩ 1% 0402 |
| 3B49 | 3198 031 04730 | 47Ω 5% 0402 |
| 3B50 | 4822 117 13543 | 470Ω 5% 0402 |
| 3B51 | 3198 021 34780 | 4.7Ω 5% 0603 |
| 3B52 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3B53 | 2322 702 60338 | 3.3Ω 5% 0603 |

| | | |
|---|---|---|
| 3B56 | 2350 033 11339 | 4 x 33Ω 5% |
| 3B57 | 2350 033 11339 | 4 x 33Ω 5% |
| 3B58 | 2350 033 11339 | 4 x 33Ω 5% |
| 3B59 | 2350 033 11339 | 4 x 33Ω 5% |
| 3B60 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B61 | 4822 117 13545 | 100Ω 1% 0402 |
| 3B62 | 2350 033 11339 | 4 x 33Ω 5% |
| 3B63 | 4822 117 13605 | Jumper 0402 |
| 3B64 | 4822 117 13543 | 470Ω 5% 0402 |
| 3B65 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B66 | 4822 117 13543 | 470Ω 5% 0402 |
| 3B67 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B69 | 4822 117 13605 | Jumper 0402 |
| 3B70 | 4822 117 13543 | 470Ω 5% 0402 |
| 3B71 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B72 | 4822 117 13543 | 470Ω 5% 0402 |
| 3B73 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B75 | 4822 117 13605 | Jumper 0402 |
| 3B76 | 4822 117 13543 | 470Ω 5% 0402 |
| 3B77 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B78 | 4822 117 13543 | 470Ω 5% 0402 |
| 3B79 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3B80 | 3198 031 03390 | 33Ω 1% 0402 |
| 3B82 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3B83 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3B90 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3B91 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3B92 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3B93 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3C00 | 3198 031 02710 | 270Ω 5% 0.1W 0402 |
| 3C01 | 3198 031 06810 | 680Ω 5% 0.01W 0402 |
| 3C02 | 4822 117 13545 | 100Ω 1% 0402 |
| 3C05 | 3198 031 01810 | 180Ω 5% 0402 |
| 3C06 | 3198 031 02710 | 270Ω 5% 0.1W 0402 |
| 3C30 | 3198 031 05610 | 560Ω 5% 0.01W 0402 |
| 3C31⚠ | 5322 117 11726 | 10Ω 5% |
| 3C32 | 3198 031 01220 | 1.2kΩ 5% 0.01W 0402 |
| 3C33 | 3198 031 01810 | 180Ω 5% 0402 |
| 3C34 | 3198 031 01220 | 1.2kΩ 5% 0.01W 0402 |
| 3C39 | 4822 117 13545 | 100Ω 1% 0402 |
| 3C40 | 4822 117 13545 | 100Ω 1% 0402 |
| 3C45 | 3198 031 04730 | 47Ω 5% 0402 |
| 3C50 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3C53 | 3198 031 03910 | 390Ω 1% 0402 |
| 3C56 | 3198 031 06820 | 6.8kΩ 5% 0.01W 0402 |
| 3C57 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3C60 | 3198 031 02730 | 27kΩ 5% 0402 |
| 3C65 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3C67 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3C80 | 4822 117 13545 | 100Ω 1% 0402 |
| 3C81 | 3198 031 03390 | 33Ω 1% 0402 |
| 3C81 | 4822 117 13605 | Jumper 0402 |
| 3D00 | 4822 117 13605 | Jumper 0402 |
| 3D01 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D02 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3D05 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3D05 | 4822 117 13605 | Jumper 0402 |
| 3D07 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3D07 | 4822 117 13605 | Jumper 0402 |
| 3D09 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3D10 | 2322 762 60332 | 3.3kΩ 5% 2512 |
| 3D11 | 2350 033 11223 | 22kΩ 5% |
| 3D12 | 2322 762 60332 | 3.3kΩ 5% 2512 |
| 3D13 | 2350 033 11223 | 22kΩ 5% |
| 3D14 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3D15 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D16 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3D17 | 3198 031 05620 | 5.6kΩ 5% 0.01W 0402 |
| 3D18 | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3D19 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3D20 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D21 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D22 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3D23 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3D24 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D25 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D26 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D27 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D28 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D29 | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3D30 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D31 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3D32 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3D33 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D34 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3D35 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D36 | 3198 031 04730 | 47Ω 5% 0402 |
| 3D37 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3D38 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D39 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3D40 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3D41 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D42 | 3198 031 01220 | 1.2kΩ 5% 0.01W 0402 |
| 3D43 | 3198 031 01220 | 1.2kΩ 5% 0.01W 0402 |

| | | |
|---|---|---|
| 3D44 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D45 | 2322 762 60107 | 0.1Ω 5% 2512 |
| 3D46 | 2322 762 60107 | 0.1Ω 5% 2512 |
| 3D47 | 3198 031 04780 | 4.7Ω 5% 0402 |
| 3D48 | 3198 031 04780 | 4.7Ω 5% 0402 |
| 3D49 | 2322 762 60331 | 330Ω 5% 2512 |
| 3D50 | 2322 762 60331 | 330Ω 5% 2512 |
| 3D51 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D52 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D53 | 3198 031 01830 | 18kΩ 5% 0.01W 0402 |
| 3D54 | 3198 031 01830 | 18kΩ 5% 0.01W 0402 |
| 3D55 | 3198 031 06810 | 680Ω 5% 0.01W 0402 |
| 3D56 | 3198 031 06810 | 680Ω 5% 0.01W 0402 |
| 3D57 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D58 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D59 | 3198 031 01220 | 1.2kΩ 5% 0.01W 0402 |
| 3D60 | 3198 031 01220 | 1.2kΩ 5% 0.01W 0402 |
| 3D61 | 3198 031 03920 | 3.9kΩ 5% 0402 |
| 3D61 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D62 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3D63 | 3198 031 03920 | 3.9kΩ 5% 0402 |
| 3D63 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D64 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3D65 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3D66 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3D67 | 3198 031 05610 | 560Ω 5% 0.01W 0402 |
| 3D68 | 3198 031 05610 | 560Ω 5% 0.01W 0402 |
| 3D69 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D70 | 2322 762 60332 | 3.3kΩ 5% 2512 |
| 3D71 | 2350 033 11223 | 22kΩ 5% |
| 3D72 | 2322 762 60332 | 3.3kΩ 5% 2512 |
| 3D73 | 2350 033 11223 | 22kΩ 5% |
| 3D74 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D75 | 3198 031 01520 | 1.2kΩ 5% 0.01W 0402 |
| 3D76 | 3198 031 01520 | 1.2kΩ 5% 0.01W 0402 |
| 3D77 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D78 | 2322 762 60107 | 0.1Ω 5% 2512 |
| 3D79 | 2322 762 60107 | 0.1Ω 5% 2512 |
| 3D80 | 3198 031 04780 | 4.7Ω 5% 0402 |
| 3D81 | 3198 031 04780 | 4.7Ω 5% 0402 |
| 3D82 | 2322 762 60331 | 330Ω 5% 2512 |
| 3D83 | 2322 762 60331 | 330Ω 5% 2512 |
| 3D84 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D85 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D86 | 3198 031 01830 | 18kΩ 5% 0.01W 0402 |
| 3D87 | 3198 031 01830 | 18kΩ 5% 0.01W 0402 |
| 3D88 | 3198 031 06810 | 680Ω 5% 0.01W 0402 |
| 3D89 | 3198 031 06810 | 680Ω 5% 0.01W 0402 |
| 3D90 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D91 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3D92 | 3198 031 01520 | 1.2kΩ 5% 0.01W 0402 |
| 3D93 | 3198 031 01520 | 1.2kΩ 5% 0.01W 0402 |
| 3D94 | 3198 031 03920 | 3.9kΩ 5% 0402 |
| 3D94 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D95 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3D96 | 3198 031 03920 | 3.9kΩ 5% 0402 |
| 3D96 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3D97 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3D98 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3D99 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3DA1 | 3198 031 05610 | 560Ω 5% 0.01W 0402 |
| 3DA2 | 3198 031 05610 | 560Ω 5% 0.01W 0402 |
| 3DA3 | 3198 031 01820 | 1.8kΩ 5% 0.01W 0402 |
| 3DA4 | 3198 031 03920 | 3.9kΩ 5% 0402 |
| 3DA5 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3DA6 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3DA7 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3DA8 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3DC2 | 4822 117 13605 | Jumper 0402 |
| 3DC8 | 4822 117 13605 | Jumper 0402 |
| 3DF1 | 4822 117 13545 | 100Ω 1% 0402 |
| 3DF2 | 3198 034 04790 | 27pF 1% 50V 0402 |
| 3DF2 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 3DF3 | 3198 034 04790 | 27pF 1% 50V 0402 |
| 3DF3 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 3DF4 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 3DF5 | 4822 126 14324 | 33pF 5% 50V 0402 |
| 3F00 | 3198 031 01810 | 180Ω 5% 0402 |
| 3F01 | 3198 031 01810 | 180Ω 5% 0402 |
| 3F02 | 2322 705 70569 | 56Ω 5% 0402 |
| 3F03 | 3198 031 01810 | 180Ω 5% 0402 |
| 3F04 | 3198 031 01810 | 180Ω 5% 0402 |
| 3F05 | 2322 705 70569 | 56Ω 5% 0402 |
| 3F06 | 3198 031 01810 | 180Ω 5% 0402 |
| 3F07 | 3198 031 01810 | 180Ω 5% 0402 |
| 3F08 | 2322 705 70569 | 56Ω 5% 0402 |
| 3F09 | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0A | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0B | 2322 705 70569 | 56Ω 5% 0402 |
| 3F0C | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0D | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0E | 2322 705 70569 | 56Ω 5% 0402 |
| 3F0F | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0G | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0H | 2322 705 70569 | 56Ω 5% 0402 |
| 3F0I | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0J | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0K | 2322 705 70569 | 56Ω 5% 0402 |
| 3F0L | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0M | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0N | 2322 705 70569 | 56Ω 5% 0402 |
| 3F0P | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0Q | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0R | 2322 705 70569 | 56Ω 5% 0402 |
| 3F0S | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0T | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0U | 2322 705 70569 | 56Ω 5% 0402 |
| 3F0V | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0W | 3198 031 01810 | 180Ω 5% 0402 |
| 3F0Y | 2322 705 70569 | 56Ω 5% 0402 |
| 3F0Z | 3198 031 01810 | 180Ω 5% 0402 |
| 3F10 | 3198 031 01810 | 180Ω 5% 0402 |
| 3F11 | 2322 705 70569 | 56Ω 5% 0402 |
| 3F12 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F13 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F14 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F15 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F18 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F1F | 4822 117 13545 | 100Ω 1% 0402 |
| 3F1G | 4822 117 13545 | 100Ω 1% 0402 |
| 3F1H | 4822 117 13545 | 100Ω 1% 0402 |
| 3F1I | 4822 117 13545 | 100Ω 1% 0402 |
| 3F1J | 4822 117 13548 | 1kΩ 5% 0402 |
| 3F1K | 4822 117 13548 | 1kΩ 5% 0402 |
| 3F1M | 4822 117 13548 | 1kΩ 5% 0402 |
| 3F1N | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F1P | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3F1Q | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F1R | 4822 117 13603 | 33kΩ 5% 0402 |
| 3F1S | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F1T | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3F1U | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3F1V | 3198 031 03320 | 3.3kΩ 5% 0402 |
| 3F1W | 3198 031 04730 | 47Ω 5% 0402 |
| 3F1Y | 3198 031 04730 | 47Ω 5% 0402 |
| 3F1Z | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F21 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F22 | 4822 117 13546 | 47Ω 5% 0402 |
| 3F23 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F24 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F2D | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3F2S | 4822 117 13545 | 100Ω 1% 0402 |
| 3F2T | 4822 117 13545 | 100Ω 1% 0402 |
| 3F2U | 4822 117 13546 | 47Ω 5% 0402 |
| 3F2W | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F2Y | 2322 706 71003 | 10kΩ 5% 0402 |
| 3F2Y | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F2Z | 4822 117 13548 | 1kΩ 5% 0402 |
| 3F30 | 2322 706 71203 | 12kΩ 5% 0402 |
| 3F30 | 3198 031 01230 | 12kΩ 5% 0402 |
| 3F31 | 2322 706 78202 | 8.2kΩ 1% 0402 RC321 |
| 3F31 | 3198 031 08220 | 8.2kΩ 5% 0.5W |
| 3F36 | 3198 031 04730 | 47Ω 5% 0402 |
| 3F36 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F39 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F3A | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F3B | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F3C | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F3E | 4822 117 13545 | 100Ω 1% 0402 |
| 3F3G | 4822 117 13545 | 100Ω 1% 0402 |
| 3F3H | 4822 117 13548 | 1kΩ 5% 0402 |
| 3F3I | 3198 031 01210 | 120Ω 5% 0.01W 0402 |
| 3F3J | 3198 031 01210 | 120Ω 5% 0.01W 0402 |
| 3F3K | 4822 117 13548 | 1kΩ 5% 0402 |
| 3F3L | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3F3P | 4822 117 13545 | 100Ω 1% 0402 |
| 3F3Q | 4822 117 13545 | 100Ω 1% 0402 |
| 3F3S | 3198 031 03390 | 33Ω 1% 0402 |
| 3F3T | 2350 033 11339 | 4 x 33Ω 5% |
| 3F3Y | 2350 033 11339 | 4 x 33Ω 5% |
| 3F41 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F42 | 2350 033 11339 | 4 x 33Ω 5% |
| 3F43 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F45 | 3198 031 03390 | 33Ω 1% 0402 |
| 3F46 | 2350 033 11339 | 4 x 33Ω 5% |
| 3F48 | 3198 031 03390 | 33Ω 1% 0402 |
| 3F49 | 3198 031 01090 | 10Ω 5% 0.01W 0402 |
| 3F4A | 3198 031 01050 | 1MΩ 5% 0402 |
| 3F4B | 4822 117 13546 | 47Ω 5% 0402 |
| 3F4C | 4822 117 13545 | 100Ω 1% 0402 |
| 3F4D | 4822 117 13545 | 100Ω 1% 0402 |
| 3F4E | 4822 117 13545 | 100Ω 1% 0402 |
| 3F4F | 4822 117 13545 | 100Ω 1% 0402 |
| 3F4H | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F4I | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F4J | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3F4K | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3F4N | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F4P | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F4Q | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3F4S | 3198 031 03390 | 33Ω 1% 0402 |
| 3F4T | 3198 031 03390 | 33Ω 1% 0402 |
| 3F4U | 3198 031 03390 | 33Ω 1% 0402 |
| 3F4V | 3198 031 03390 | 33Ω 1% 0402 |
| 3F4W | 3198 031 03390 | 33Ω 1% 0402 |
| 3F4X | 3198 031 03390 | 33Ω 1% 0402 |
| 3F4Y | 3198 031 03390 | 33Ω 1% 0402 |
| 3F4Z | 3198 031 03390 | 33Ω 1% 0402 |
| 3F55 | 4822 117 13546 | 47Ω 5% 0402 |
| 3F56 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F57 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F5A | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5B | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5C | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5D | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5E | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5F | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5G | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5H | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5I | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5J | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5K | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5L | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5M | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5N | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5O | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5P | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5Q | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5R | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5S | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5T | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5U | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5V | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5W | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5X | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5Y | 3198 031 03390 | 33Ω 1% 0402 |
| 3F5Z | 3198 031 03390 | 33Ω 1% 0402 |
| 3F61 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F62 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F63 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3F65 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F66 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F67 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F68 | 4822 117 13546 | 47Ω 5% 0402 |
| 3F69 | 4822 117 13546 | 47Ω 5% 0402 |
| 3F6A | 3198 031 03390 | 33Ω 1% 0402 |
| 3F70 | 4822 117 13546 | 47Ω 5% 0402 |
| 3F71 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F72 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3F73 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F74 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F75 | 4822 117 13546 | 47Ω 5% 0402 |
| 3F76 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F77 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F78 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F79 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3F80 | 4822 117 13543 | 470Ω 5% 0402 |
| 3F81 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3F82 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3F83 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3F84 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3F90 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3F91 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3F92 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F93 | 4822 117 13545 | 100Ω 1% 0402 |
| 3F94 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H01 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H02 | 3198 031 06890 | 68Ω 5% 0402 |
| 3H03 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H04 | 3198 031 01820 | 1.8kΩ 5% 0.01W 0402 |
| 3H05 | 3198 031 01820 | 1.8kΩ 5% 0.01W 0402 |
| 3H06 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3H08 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H10 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H11 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H12 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3H13 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H14 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3H15 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H16 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H17 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H18 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H19 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3H20 | 2322 705 70399 | 39Ω 5% 0402 |
| 3H21 | 2322 705 70399 | 39Ω 5% 0402 |
| 3H22 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H23 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H24 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H26 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H27 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3H28 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H29 | 3198 031 04720 | 4.7kΩ 5% 0402 |

| | | |
|---|---|---|
| 3H30 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H31 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H32 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H33 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H40 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H44 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H45 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H46 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H48 | 3198 031 06890 | 68Ω 5% 0402 |
| 3H49 | 3198 031 06890 | 68Ω 5% 0402 |
| 3H50 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3H51 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3H52 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H70 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H71 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H72 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H73 | 4822 117 13546 | 47Ω 5% 0402 |
| 3H74 | 3198 031 06890 | 68Ω 5% 0402 |
| 3H75 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H79 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3H80 | 2350 033 11103 | 4x 10kΩ 5% Netw. |
| 3H81 | 2350 033 11103 | 4x 10kΩ 5% Netw. |
| 3H82 | 3198 031 01050 | 1MΩ 5% 0402 |
| 3H83 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H84 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H85 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H86 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H87 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H88 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H89 | 3198 031 01590 | 15Ω 5% 0402 |
| 3H90 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H91 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H92 | 3198 031 07590 | 75Ω 5% 0402 |
| 3H93 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H94 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H95 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3H97 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3H98 | 4822 117 13545 | 100Ω 1% 0402 |
| 3H99 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I00 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I01 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I02 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I03 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I12 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I13 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I14 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I15 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I16 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3I17 | 3198 031 04730 | 47Ω 5% 0402 |
| 3I18 | 3198 031 06890 | 68Ω 5% 0402 |
| 3I19⚠ | 4822 117 11151 | 1Ω 5% |
| 3I20 | 3198 031 01210 | 120Ω 5% 0.01W 0402 |
| 3I21 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I22 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I23 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I24 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3I25 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I26 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I27 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I28 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3I31 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3I32 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3I33 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3I46 | 3198 031 07590 | 75Ω 5% 0402 |
| 3I51 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3I52 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3I53 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3I54 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3I55 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3I56 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3I57 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3I58 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3I59 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3I59 | 4822 117 13605 | Jumper 0402 |
| 3I60 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I61 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3I62 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I63 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3I64 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3I65 | 4822 117 13545 | 100Ω 1% 0402 |
| 3I66 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3I68 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3I69 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3I70 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3I71 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3I74 | 3198 031 03930 | 39kΩ 5% 0402 |
| 3I75 | 2322 734 63309 | 33Ω 1% 0.1W 0805 |
| 3I76 | 2322 734 63309 | 33Ω 1% 0.1W 0805 |
| 3I77 | 3198 031 01510 | 150Ω 5% 0.01W 0402 |
| 3I78 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3I79 | 3198 031 04740 | 470kΩ 5% 0402 |
| 3I80 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I81 | 2322 734 63309 | 33Ω 1% 0.1W 0805 |
| 3I82 | 2322 734 63309 | 33Ω 1% 0.1W 0805 |
| 3I83 | 3198 031 01510 | 150Ω 5% 0.01W 0402 |
| 3I84 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3I86 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3I87 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3I88 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3I89 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3I90 | 3198 031 04740 | 470kΩ 5% 0402 |
| 3I91 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3I92 | 3198 031 03930 | 39kΩ 5% 0402 |
| 3I93 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3I94 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3I95 | 3198 031 06840 | 680kΩ 5% 0.01W 0402 |
| 3I96 | 3198 031 04730 | 47Ω 5% 0402 |
| 3I97 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3I98 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3I99 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3J01 | 3198 031 01210 | 120Ω 5% 0.01W 0402 |
| 3J03 | 3198 031 06890 | 68Ω 5% 0402 |
| 3J04 | 4822 117 13546 | 47Ω 5% 0402 |
| 3J05 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3J06 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3J07 | 3198 031 06890 | 68Ω 5% 0402 |
| 3J08 | 3198 031 06890 | 68Ω 5% 0402 |
| 3J09 | 3198 031 06890 | 68Ω 5% 0402 |
| 3J10 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3J11 | 3198 031 06890 | 68Ω 5% 0402 |
| 3J13 | 3198 031 01210 | 120Ω 5% 0.01W 0402 |
| 3J14 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3J15 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3J16 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3J17 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L00 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3L01 | 3198 031 01090 | 10Ω 5% 0.01W 0402 |
| 3L02 | 3198 031 05630 | 56kΩ 5% 0402 |
| 3L03 | 3198 031 06830 | 68kΩ 5% 0.01W 0402 |
| 3L04 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L05 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L06 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L07 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L08 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L09 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L10 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L11 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L12 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L13 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L14 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L15 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L16 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L17 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L18 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L19 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L20 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L21 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L22 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3L23 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L24 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3L25 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L26 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L27 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L28 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3L29 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L30 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L31 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L32 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3L33 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L34 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L36 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3L37 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3L38 | 3198 031 04740 | 470kΩ 5% 0402 |
| 3L39 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L40 | 4822 117 13545 | 100Ω 1% 0402 |
| 3L41 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L42 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L43 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L44 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L45 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L46 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L47 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L48 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L49 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L50 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L51 | 4822 117 13545 | 100Ω 1% 0402 |
| 3L52 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L53 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L54 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L55 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L56 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L57 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L58 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L59 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L60 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L61 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L62 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L63 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L64 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L65 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L66 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L67 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L68 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L69 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L70 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L71 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L72 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L73 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L74 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L75 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L76 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L77 | 4822 117 13546 | 47Ω 5% 0402 |
| 3L81 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L82 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L83 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L84 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L85 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L86 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L87 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L88 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L89 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3L90 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3L91 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L92 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L93 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L94 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L95 | 3198 031 03390 | 33Ω 1% 0402 |
| 3L96 | 4822 117 13545 | 100Ω 1% 0402 |
| 3L97 | 4822 117 13545 | 100Ω 1% 0402 |
| 3L98 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3L98 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3L99 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA0 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA1 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA2 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA3 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA5 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3LA6 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA7 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA8 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LA9 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LB1 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LB2 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LB3 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LB4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LB5 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LB7 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LB8 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LB9 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LC0 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LC1 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LC2 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LC3 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LC4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LC5 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3LC6 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3LC7 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3LC8 | 3198 031 06810 | 680Ω 5% 0.01W 0402 |
| 3LC9 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD0 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD1 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD3 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD5 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD6 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD7 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD8 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LD9 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LE0 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LE1 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LE2 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LE3 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3LE4 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3LE5 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LE6 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LE7 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LE8 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LE9 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LF0 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LF1 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LF2 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LF3 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3LF4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LF5 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LF8 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LF9 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LG1 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LG3 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LG5 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LG6 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LG7 | 4822 117 13545 | 100Ω 1% 0402 |

| | | |
|---|---|---|
| 3LG8 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LG9 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LH0 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LH1 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LH2 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LH3 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LH4 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LH5 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LH6 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LH7 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LH8 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LH9 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LJ0 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LJ1 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LJ2 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LJ3 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LJ4 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LJ5 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LJ6 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LJ7 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LJ8 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LJ9 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK0 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK1 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK2 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK3 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK4 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK5 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK6 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK7 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LK8 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL0 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL1 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL2 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL3 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL4 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL5 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL6 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL7 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LL8 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3LL9 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3LM0 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LM1 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LM2 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LM3 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LM4 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LM5 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LM6 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LM7 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LN0 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LN1 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LN2 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LN3 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LN4 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LN5 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LN6 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LN7 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LQ6 | 4822 117 11373 | 100Ω 1% 0805 |
| 3LR0 | 3198 031 03390 | 33Ω 1% 0402 |
| 3LR1 | 3198 031 03390 | 33Ω 1% 0402 |
| 3LR2 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LR3 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LR4 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LR5 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LR6 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LR7 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LR8 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LR9 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LS0 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LS1 | 2350 033 11339 | 4 x 33Ω 5% |
| 3LS2 | 3198 031 06810 | 680Ω 5% 0.01W 0402 |
| 3LS3 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LS4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LS5 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LS6 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LS7 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3LS8 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LS9 | 3198 031 05610 | 560Ω 5% 0.01W 0402 |
| 3LT0 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LT1 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LT2 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LT3 | 3198 031 01090 | 10Ω 5% 0.01W 0402 |
| 3LT4 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3LT5 | 2322 705 70184 | 180Ω 5% 0402 |
| 3LT6 | 3198 031 06830 | 68kΩ 5% 0.01W 0402 |
| 3LT7 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3LT8 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LT9 | 3198 031 01090 | 10Ω 5% 0.01W 0402 |
| 3LU0 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3LU1 | 3198 031 06830 | 68kΩ 5% 0.01W 0402 |
| 3LU2 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3LU3 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LU4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LU5 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3LU6 | 3198 031 06830 | 68kΩ 5% 0.01W 0402 |
| 3LU7 | 2322 705 70184 | 180Ω 5% 0402 |
| 3LU8 | 3198 031 01090 | 10Ω 5% 0.01W 0402 |
| 3LU9 | 3198 031 04730 | 47Ω 5% 0402 |
| 3LV0 | 3198 031 03340 | 330kΩ 5% 0402 |
| 3LV1 | 3198 031 06830 | 68kΩ 5% 0.01W 0402 |
| 3LV2 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3LV3 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LV4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LV5 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3LV6 | 3198 031 06830 | 68kΩ 5% 0.01W 0402 |
| 3LV7 | 2322 705 87564 | 560kΩ 5% 0402 |
| 3LV8 | 3198 031 01090 | 10Ω 5% 0.01W 0402 |
| 3LW0 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LW1 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LW2 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3LW3 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3LW4 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LW5 | 4822 117 13545 | 100Ω 1% 0402 |
| 3LW6 | 3198 031 05620 | 5.6kΩ 5% 0.01W 0402 |
| 3LW6 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LW7 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3LW8 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M00 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M01 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M02 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M04 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3M05 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M06 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M07 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M08 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M0D | 4822 117 13548 | 1kΩ 5% 0402 |
| 3M0I | 4822 117 13545 | 100Ω 1% 0402 |
| 3M0J | 4822 117 13545 | 100Ω 1% 0402 |
| 3M0S | 4822 117 13605 | Jumper 0402 |
| 3M0V | 4822 117 13545 | 100Ω 1% 0402 |
| 3M40 | 3198 031 08230 | 82kΩ 5% 0402 |
| 3M41 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3M42 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M43 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M48 | 3198 031 03390 | 33Ω 1% 0402 |
| 3M49 | 3198 031 04730 | 47Ω 5% 0402 |
| 3M4A | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3M4B | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3M4C | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3M4D | 3198 031 08220 | 8.2kΩ 5% 0.5W |
| 3M4E | 3198 031 01820 | 1.8kΩ 5% 0.01W 0402 |
| 3M60 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M61 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M62 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M63 | 4822 117 13545 | 100Ω 1% 0402 |
| 3M66 | 3198 031 01090 | 10Ω 5% 0.01W 0402 |
| 3M80 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3M81 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3M82 | 3198 031 01220 | 1.2kΩ 5% 0.01W 0402 |
| 3M83 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3M84 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3M85 | 4822 117 10353 | 150Ω 1% 0.1W |
| 3M86 | 4822 117 10353 | 150Ω 1% 0.1W |
| 3M87 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3M88 | 4822 117 10353 | 150Ω 1% 0.1W |
| 3M89 | 4822 117 10353 | 150Ω 1% 0.1W |
| 3M8A | 4822 117 13548 | 1kΩ 5% 0402 |
| 3M8B | 3198 031 01520 | 1.2kΩ 5% 0.01W 0402 |
| 3M8C | 4822 117 13548 | 1kΩ 5% 0402 |
| 3M8D | 4822 117 10353 | 150Ω 1% 0.1W |
| 3M8E | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3M8F | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3M8G | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3M8H | 4822 117 13603 | 33kΩ 5% 0402 |
| 3M8I | 3198 031 01830 | 18kΩ 5% 0.01W 0402 |
| 3M8J | 4822 117 13548 | 1kΩ 5% 0402 |
| 3M8R | 4822 117 10353 | 150Ω 1% 0.1W |
| 3M8S | 4822 117 10353 | 150Ω 1% 0.1W |
| 3M8T | 4822 117 10353 | 150Ω 1% 0.1W |
| 3M8U | 4822 051 20478 | 4.7Ω 5% 0.1W |
| 3M8V | 4822 051 20478 | 4.7Ω 5% 0.1W |
| 3N05 | 3198 031 01510 | 150Ω 5% 0.01W 0402 |
| 3N06 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3N07 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3N08 | 5322 117 13028 | 12kΩ 1% 0.063W 0603 |
| 3N09 | 4822 117 13545 | 100Ω 1% 0402 |
| 3N12 | 3198 031 01530 | 15kΩ 5% 0.01W 0402 |
| 3N13 | 3198 031 01530 | 15kΩ 5% 0.01W 0402 |
| 3N14 | 3198 031 01530 | 15kΩ 5% 0.01W 0402 |
| 3N15 | 3198 031 01530 | 15kΩ 5% 0.01W 0402 |
| 3N18 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3N19 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3N21 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3N25 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3N90 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3N92 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3O00 | 3198 031 01050 | 1MΩ 5% 0402 |
| 3O01 | 4822 117 13543 | 470Ω 5% 0402 |
| 3O02 | 4822 117 13545 | 100Ω 1% 0402 |
| 3O03 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3O04 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3O05 | 3198 031 02710 | 270Ω 5% 0.1W 0402 |
| 3O06 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3O07 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3O08 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3O09 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3O10 | 3198 031 02710 | 270Ω 5% 0.1W 0402 |
| 3O11 | 2120 550 00054 | VDR 90V 1mA 0402 |
| 3O12 | 2120 550 00054 | VDR 90V 1mA 0402 |
| 3O13 | 2120 550 00054 | VDR 90V 1mA 0402 |
| 3O14 | 2120 550 00054 | VDR 90V 1mA 0402 |
| 3O21 | 2322 705 70279 | 27Ω 5% 0402 |
| 3O22 | 2322 705 70279 | 27Ω 5% 0402 |
| 3O23 | 2322 705 70279 | 27Ω 5% 0402 |
| 3O24 | 2322 705 70279 | 27Ω 5% 0402 |
| 3O25 | 4822 117 13545 | 100Ω 1% 0402 |
| 3O26 | 4822 117 13545 | 100Ω 1% 0402 |
| 3O27 | 4822 117 13545 | 100Ω 1% 0402 |
| 3O28 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P01 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3P02 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P03 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P04 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3P05 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P10 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P11 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P12 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P13 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P14 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P15 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P16 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P17 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P18 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P19 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P20 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P21 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P22 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P23 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P24 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P25 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P26 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P27 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P28 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P29 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P30 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P31 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P32 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P33 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3P35 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3P40 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3P43 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P45 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P57 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P60 | 2350 033 11479 | 4x 47Ω 5% |
| 3P61 | 2350 033 11479 | 4x 47Ω 5% |
| 3P62 | 2350 033 11479 | 4x 47Ω 5% |
| 3P63 | 2350 033 11479 | 4x 47Ω 5% |
| 3P73 | 3198 031 01810 | 180Ω 5% 0402 |
| 3P75 | 3198 031 04730 | 47Ω 5% 0402 |
| 3P76 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3P77 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3P78 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P79 | 3198 031 02710 | 270Ω 5% 0.1W 0402 |
| 3P80 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P81 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3P82 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3P83 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P84 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P85 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P86 | 4822 117 13545 | 100Ω 1% 0402 |
| 3P88 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3Q00 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q01 | 3198 031 01210 | 120Ω 5% 0.01W 0402 |
| 3Q02 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q03 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3Q04 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3Q05 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q06 | 2322 705 70399 | 39Ω 5% 0402 |
| 3Q07 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q08 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q09 | 3198 031 03390 | 33Ω 1% 0402 |
| 3Q10 | 4822 117 13545 | 100Ω 1% 0402 |
| 3Q11 | 4822 117 13545 | 100Ω 1% 0402 |
| 3Q12 | 4822 117 13545 | 100Ω 1% 0402 |
| 3Q13 | 4822 117 13545 | 100Ω 1% 0402 |
| 3Q14 | 4822 117 13545 | 100Ω 1% 0402 |
| 3Q15 | 4822 117 13545 | 100Ω 1% 0402 |
| 3Q16 | 3198 031 01530 | 15kΩ 5% 0.01W 0402 |
| 3Q17 | 3198 031 01530 | 15kΩ 5% 0.01W 0402 |
| 3Q18 | 3198 031 01530 | 15kΩ 5% 0.01W 0402 |
| 3Q20 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q21 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |

| | | |
|---|---|---|
| 3Q23 | 3198 031 01530 | 15kΩ 5% 0.01W 0402 |
| 3Q25 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q26 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q27 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3Q28 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q33 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q34 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q35 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q37 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q38 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3Q39 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q41 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q43 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q45 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q47 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q49 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q51 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q53 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q55 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q57 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q59 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q61 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q63 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q66 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q67 | 4822 117 13546 | 47Ω 5% 0402 |
| 3Q68 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R00 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3R01 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3R02 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R03 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R04 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R05 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R06 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R07 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R08 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R09 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R10 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R11 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R12 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R13 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R14 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R15 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R16 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R17 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R19 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R22 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R39 | 4822 117 13545 | 100Ω 1% 0402 |
| 3R41 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3R42 | 4822 117 13545 | 100Ω 1% 0402 |
| 3R44 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3R46 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3R47 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3R48 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3R58 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3R60 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3R62 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3R64 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3R66 | 4822 117 13545 | 100Ω 1% 0402 |
| 3R67 | 2322 706 71002 | 1kΩ 1% 0402 |
| 3R68 | 2322 706 71002 | 1kΩ 1% 0402 |
| 3R70 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3R71 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R72 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R73 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3R74 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3R75 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3R77 | 4822 117 13546 | 47Ω 5% 0402 |
| 3R78 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3R90 | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3R91 | 2322 706 71002 | 1kΩ 1% 0402 |
| 3R92 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3R93 | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3R94 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3R95 | 4822 117 13545 | 100Ω 1% 0402 |
| 3T04 | 4822 117 13545 | 100Ω 1% 0402 |
| 3T06 | 4822 117 13545 | 100Ω 1% 0402 |
| 3T07 | 4822 117 13545 | 100Ω 1% 0402 |
| 3T09 | 4822 117 13545 | 100Ω 1% 0402 |
| 3T16 | 4822 117 13545 | 100Ω 1% 0402 |
| 3T20 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3T21 | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3T22 | 3198 031 03390 | 33Ω 1% 0402 |
| 3T23 | 3198 031 02710 | 270Ω 5% 0.1W 0402 |
| 3T24 | 3198 031 03390 | 33Ω 1% 0402 |
| 3T25 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3T27 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3T28 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3T29 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3T68 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3T69 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3U00 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3U01 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3U02 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3U03 | 3198 031 04730 | 47Ω 5% 0402 |
| 3U04⚠ | 5322 117 11726 | 10Ω 5% |
| 3U05 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U06 | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3U07 | 2322 706 73901 | 390Ω 1% 0402 |
| 3U08 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3U09 | 2322 706 71002 | 1kΩ 1% 0402 |
| 3U0A | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3U0B | 4822 117 13603 | 33kΩ 5% 0402 |
| 3U0C | 4822 117 13603 | 33kΩ 5% 0402 |
| 3U0D | 3198 031 04730 | 47Ω 5% 0402 |
| 3U0E⚠ | 5322 117 11726 | 10Ω 5% |
| 3U0F | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U0G | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3U0H | 2322 706 75601 | 560Ω 1% 0402 |
| 3U0J | 2322 706 71002 | 1kΩ 1% 0402 |
| 3U0K | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3U0L | 4822 117 13603 | 33kΩ 5% 0402 |
| 3U0M | 4822 117 13603 | 33kΩ 5% 0402 |
| 3U0N | 3198 031 04730 | 47Ω 5% 0402 |
| 3U0P⚠ | 5322 117 11726 | 10Ω 5% |
| 3U0Q | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U0R | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3U0S | 2322 706 72702 | 2.7kΩ 1% 0402 |
| 3U0T | 4822 117 13603 | 33kΩ 5% 0402 |
| 3U0U | 2322 706 71002 | 1kΩ 1% 0402 |
| 3U0Z | 3198 031 06820 | 6.8kΩ 5% 0.01W 0402 |
| 3U10 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U11 | 3198 031 06820 | 6.8kΩ 5% 0.01W 0402 |
| 3U12 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U13 | 3198 031 06820 | 6.8kΩ 5% 0.01W 0402 |
| 3U14 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U15 | 4822 117 13545 | 100Ω 1% 0402 |
| 3U17 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3U18 | 4822 117 13613 | 2.2Ω 5% 0603 |
| 3U19 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3U1A | 4822 117 13613 | 2.2Ω 5% 0603 |
| 3U1B | 4822 051 30109 | 10Ω 5% 0.062W |
| 3U1C | 4822 117 13613 | 2.2Ω 5% 0603 |
| 3U1F | 4822 051 30109 | 10Ω 5% 0.062W |
| 3U1G | 4822 051 30109 | 10Ω 5% 0.062W |
| 3U1H | 4822 051 30109 | 10Ω 5% 0.062W |
| 3U1I | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U1J | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U1K | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U1L | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U1M | 4822 117 13545 | 100Ω 1% 0402 |
| 3U1N | 3198 031 03390 | 33Ω 1% 0402 |
| 3U1P | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U1Q | 3198 031 01510 | 150Ω 5% 0.01W 0402 |
| 3U1R | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3U1S | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U1T | 3198 031 01210 | 120Ω 5% 0.01W 0402 |
| 3U1U | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3U1V | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U20 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3U21 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3U22 | 2322 706 76809 | 68Ω 1% 0402 RC32 |
| 3U25 | 3198 021 34780 | 4.7Ω 5% 0603 |
| 3U26 | 3198 021 34780 | 4.7Ω 5% 0603 |
| 3U27 | 3198 021 34780 | 4.7Ω 5% 0603 |
| 3U2B | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U2C | 3198 031 01510 | 150Ω 5% 0.01W 0402 |
| 3U2D | 4822 117 13545 | 100Ω 1% 0402 |
| 3U2E | 4822 117 13545 | 100Ω 1% 0402 |
| 3U2F | 4822 117 13545 | 100Ω 1% 0402 |
| 3U2G | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U2H | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U2J | 4822 117 13601 | 22kΩ 5% 0402 |
| 3U2K | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3U2L | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U2M | 4822 117 13543 | 470Ω 5% 0402 |
| 3U2N | 4822 117 13601 | 22kΩ 5% 0402 |
| 3U2P | 4822 117 13601 | 22kΩ 5% 0402 |
| 3U35 | 2322 705 70688 | 6.8Ω 5% 0402 RC31 |
| 3U37 | 2322 706 73301 | 330Ω 1% 0402 |
| 3U39 | 2322 705 70688 | 6.8Ω 5% 0402 RC31 |
| 3U48 | 4822 117 13545 | 100Ω 1% 0402 |
| 3U4B | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U4C | 4822 051 30339 | 33Ω 5% 0.062W |
| 3U4D | 4822 117 13545 | 100Ω 1% 0402 |
| 3U4E | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3U4F | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3U60 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3U62 | 3198 031 04730 | 47Ω 5% 0402 |
| 3U63 | 3198 031 04730 | 47Ω 5% 0402 |
| 3U64⚠ | 5322 117 11726 | 10Ω 5% |
| 3U65 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U66 | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3U68 | 2322 706 71002 | 1kΩ 1% 0402 |
| 3U69 | 3198 031 06820 | 6.8kΩ 5% 0.01W 0402 |
| 3U6A | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U6B | 4822 051 30109 | 10Ω 5% 0.062W |
| 3U6C | 4822 117 13613 | 2.2Ω 5% 0603 |
| 3U6D | 4822 051 30109 | 10Ω 5% 0.062W |
| 3U6E | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U6F | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U6G | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U6H | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U6I | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U6J | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3U6K | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3U6L | 4822 117 13545 | 100Ω 1% 0402 |
| 3U6N | 4822 117 13548 | 1kΩ 5% 0402 |
| 3U6Y | 3198 021 34780 | 4.7Ω 5% 0603 |
| 3V00 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3V01 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3V13 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3V15 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3V16 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3V17 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3V18 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3V19 | 2350 033 11229 | 4x 22Ω 5% Netw. |
| 3V24 | 2322 706 75601 | 560Ω 1% 0402 |
| 3V25 | 2322 706 75601 | 560Ω 1% 0402 |
| 3V40 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3V41 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3V42 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3V43 | 3198 031 02290 | 22Ω 5% 0.1W 0402 |
| 3V45 | 2322 706 75601 | 560Ω 1% 0402 |
| 3V45 | 2322 706 76801 | 680Ω 1% 0402 |
| 3V46 | 2322 706 73301 | 330Ω 1% 0402 |
| 3V46 | 2322 706 75601 | 560Ω 1% 0402 |
| 3V47 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3V48 | 4822 117 13596 | 220Ω 5% 0.01W 0402 |
| 3V78 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3W07 | 4822 117 13545 | 100Ω 1% 0402 |
| 3W09 | 4822 117 13545 | 100Ω 1% 0402 |
| 3W16 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3W18 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3W19 | 3198 031 03390 | 33Ω 1% 0402 |
| 3W20 | 3198 031 03390 | 33Ω 1% 0402 |
| 3W21 | 3198 031 02720 | 2.7kΩ 5% 0.01W 0402 |
| 3W22 | 3198 031 02710 | 270Ω 5% 0.1W 0402 |
| 3W23 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3W30 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3W31 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3W33 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3W34 | 4822 117 11297 | 100kΩ 5% 0.1W |
| 3W52 | 3198 031 04730 | 47Ω 5% 0402 |
| 3W68 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3W69 | 3198 031 04720 | 4.7kΩ 5% 0402 |
| 3W70 | 3198 031 02240 | 220kΩ 5% 0.1W 0402 |
| 3W71 | 4822 117 13602 | 2.2kΩ 5% 0.01W 0402 |
| 3W73 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3W74 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3W75 | 4822 117 13601 | 22kΩ 5% 0402 |
| 3W76 | 3198 031 05610 | 560Ω 5% 0.01W 0402 |
| 3W78 | 4822 117 13548 | 1kΩ 5% 0402 |
| 3W79 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3W80 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3W81 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3W82 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3W86 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3W90 | 4822 117 13545 | 100Ω 1% 0402 |
| 3W91 | 2350 033 11689 | 4x 68Ω 5% Netw. |
| 3W92 | 4822 117 13545 | 100Ω 1% 0402 |
| 3Z50 | 4822 117 13545 | 100Ω 1% 0402 |
| 3Z51 | 4822 117 13545 | 100Ω 1% 0402 |
| 9A10 | 4822 117 13605 | Jumper 0402 |
| 9A11 | 4822 117 13605 | Jumper 0402 |
| 9A12 | 4822 117 13605 | Jumper 0402 |
| 9A13 | 4822 117 13605 | Jumper 0402 |
| 9A14 | 4822 117 13605 | Jumper 0402 |
| 9A15 | 4822 117 13605 | Jumper 0402 |
| 9A23 | 4822 117 13605 | Jumper 0402 |
| 9A51 | 4822 117 13605 | Jumper 0402 |
| 9A53 | 4822 117 13605 | Jumper 0402 |
| 9A57 | 4822 117 13605 | Jumper 0402 |
| 9B11 | 4822 117 13605 | Jumper 0402 |
| 9B13 | 4822 117 13605 | Jumper 0402 |
| 9B14 | 4822 117 13605 | Jumper 0402 |
| 9B16 | 4822 117 13605 | Jumper 0402 |
| 9B19 | 4822 117 13605 | Jumper 0402 |
| 9B20 | 4822 117 13605 | Jumper 0402 |
| 9B21 | 4822 117 13605 | Jumper 0402 |
| 9B22 | 3198 031 01210 | 120Ω 5% 0.01W 0402 |
| 9B22 | 4822 117 13605 | Jumper 0402 |
| 9B23 | 2020 552 00217 | 270pF 5% 50V 0402 |
| 9B30 | 3198 031 01510 | 150Ω 5% 0.01W 0402 |
| 9B30 | 4822 117 13605 | Jumper 0402 |
| 9C03 | 4822 051 20008 | Jumper 0805 |
| 9C08 | 4822 117 13605 | Jumper 0402 |
| 9C51 | 4822 117 13605 | Jumper 0402 |
| 9C53 | 4822 117 13605 | Jumper 0402 |
| 9C57 | 4822 117 13605 | Jumper 0402 |
| 9F11 | 4822 117 13605 | Jumper 0402 |
| 9F13 | 4822 117 13605 | Jumper 0402 |
| 9F16 | 4822 117 13605 | Jumper 0402 |

| | | |
|---|---|---|
| 9F2F | 4822 117 13605 | Jumper 0402 |
| 9F2G | 4822 117 13605 | Jumper 0402 |
| 9F2H | 4822 117 13605 | Jumper 0402 |
| 9F2K | 4822 117 13605 | Jumper 0402 |
| 9F40 | 4822 117 13605 | Jumper 0402 |
| 9F41 | 4822 117 13546 | 47Ω 5% 0402 |
| 9F42 | 4822 117 13605 | Jumper 0402 |
| 9F44 | 4822 117 13548 | 1kΩ 5% 0402 |
| 9F45 | 4822 117 13548 | 1kΩ 5% 0402 |
| 9F46 | 4822 117 13548 | 1kΩ 5% 0402 |
| 9F47 | 4822 117 13548 | 1kΩ 5% 0402 |
| 9F51 | 4822 117 13605 | Jumper 0402 |
| 9H03 | 4822 117 13605 | Jumper 0402 |
| 9H05 | 4822 117 13605 | Jumper 0402 |
| 9H06 | 4822 117 13605 | Jumper 0402 |
| 9H07 | 4822 117 13605 | Jumper 0402 |
| 9H08 | 4822 117 13605 | Jumper 0402 |
| 9H09 | 4822 117 13605 | Jumper 0402 |
| 9H13 | 4822 117 13605 | Jumper 0402 |
| 9H14 | 4822 117 13605 | Jumper 0402 |
| 9H15 | 4822 117 13605 | Jumper 0402 |
| 9H16 | 4822 117 13605 | Jumper 0402 |
| 9H18 | 4822 117 13605 | Jumper 0402 |
| 9H19 | 4822 117 13605 | Jumper 0402 |
| 9H21 | 4822 117 13605 | Jumper 0402 |
| 9H26 | 4822 117 13605 | Jumper 0402 |
| 9H27 | 4822 117 13605 | Jumper 0402 |
| 9H29 | 4822 117 13605 | Jumper 0402 |
| 9H30 | 4822 117 13605 | Jumper 0402 |
| 9H32 | 4822 117 13605 | Jumper 0402 |
| 9H33 | 4822 117 13605 | Jumper 0402 |
| 9H34 | 4822 117 13605 | Jumper 0402 |
| 9H35 | 4822 117 13605 | Jumper 0402 |
| 9H36 | 4822 117 13605 | Jumper 0402 |
| 9I01 | 4822 117 13605 | Jumper 0402 |
| 9I31 | 4822 117 13605 | Jumper 0402 |
| 9I32 | 4822 117 13605 | Jumper 0402 |
| 9I33 | 4822 117 13605 | Jumper 0402 |
| 9I51 | 4822 117 13605 | Jumper 0402 |
| 9I52 | 4822 117 13605 | Jumper 0402 |
| 9I53 | 4822 117 13605 | Jumper 0402 |
| 9J20 | 4822 117 13605 | Jumper 0402 |
| 9J21 | 4822 117 13605 | Jumper 0402 |
| 9J22 | 4822 117 13605 | Jumper 0402 |
| 9J24 | 4822 117 13605 | Jumper 0402 |
| 9K01 | 4822 117 13605 | Jumper 0402 |
| 9L04 | 4822 117 13605 | Jumper 0402 |
| 9L07 | 4822 117 13605 | Jumper 0402 |
| 9L08 | 4822 117 13605 | Jumper 0402 |
| 9L09 | 4822 117 13605 | Jumper 0402 |
| 9L10 | 4822 117 13605 | Jumper 0402 |
| 9LA0 | 4822 117 13605 | Jumper 0402 |
| 9LA1 | 4822 117 13605 | Jumper 0402 |
| 9LC7 | 4822 117 13605 | Jumper 0402 |
| 9M00 | 4822 117 13605 | Jumper 0402 |
| 9M01 | 4822 117 13605 | Jumper 0402 |
| 9M02 | 4822 117 13605 | Jumper 0402 |
| 9M03 | 4822 117 13605 | Jumper 0402 |
| 9M04 | 4822 117 13605 | Jumper 0402 |
| 9M05 | 4822 117 13605 | Jumper 0402 |
| 9M06 | 4822 051 30008 | Jumper 0603 |
| 9M07 | 4822 051 30008 | Jumper 0603 |
| 9M08 | 4822 051 30008 | Jumper 0603 |
| 9M09 | 4822 051 30008 | Jumper 0603 |
| 9M0A | 4822 051 30008 | Jumper 0603 |
| 9M0B | 4822 051 30008 | Jumper 0603 |
| 9M0L | 4822 117 13605 | Jumper 0402 |
| 9M48 | 4822 117 13605 | Jumper 0402 |
| 9M4L | 4822 117 13605 | Jumper 0402 |
| 9M4M | 4822 117 13605 | Jumper 0402 |
| 9M4N | 4822 117 13605 | Jumper 0402 |
| 9M4P | 4822 117 13605 | Jumper 0402 |
| 9M4Q | 4822 117 13605 | Jumper 0402 |
| 9M4R | 4822 117 13605 | Jumper 0402 |
| 9M4S | 4822 117 13605 | Jumper 0402 |
| 9M4T | 4822 117 13605 | Jumper 0402 |
| 9M4U | 4822 117 13605 | Jumper 0402 |
| 9M4V | 4822 117 13605 | Jumper 0402 |
| 9M4W | 4822 117 13605 | Jumper 0402 |
| 9M4Y | 4822 117 13605 | Jumper 0402 |
| 9M4Z | 4822 117 13605 | Jumper 0402 |
| 9M50 | 4822 117 13605 | Jumper 0402 |
| 9M53 | 4822 117 13605 | Jumper 0402 |
| 9M54 | 4822 051 20008 | Jumper 0805 |
| 9M55 | 4822 051 20008 | Jumper 0805 |
| 9M58 | 4822 117 13605 | Jumper 0402 |
| 9M59 | 4822 117 13605 | Jumper 0402 |
| 9M5A | 4822 117 13605 | Jumper 0402 |
| 9M5B | 4822 117 13605 | Jumper 0402 |
| 9M5C | 4822 117 13605 | Jumper 0402 |
| 9M5D | 4822 117 13605 | Jumper 0402 |
| 9M5E | 4822 117 13605 | Jumper 0402 |
| 9M5F | 4822 117 13605 | Jumper 0402 |
| 9M5G | 4822 117 13605 | Jumper 0402 |

| | | |
|---|---|---|
| 9M82 | 2350 033 91001 | 4 x Jumper |
| 9M83 | 2350 033 91001 | 4 x Jumper |
| 9M86 | 2350 033 91001 | 4 x Jumper |
| 9M88 | 2350 033 91001 | 4 x Jumper |
| 9M89 | 2350 033 91001 | 4 x Jumper |
| 9M8B | 4822 117 13605 | Jumper 0402 |
| 9M8C | 4822 117 13605 | Jumper 0402 |
| 9M8D | 4822 117 13605 | Jumper 0402 |
| 9M8G | 4822 051 20008 | Jumper 0805 |
| 9M8H | 4822 051 20008 | Jumper 0805 |
| 9M8I | 4822 117 13605 | Jumper 0402 |
| 9M8J | 4822 117 13605 | Jumper 0402 |
| 9N03 | 4822 117 13605 | Jumper 0402 |
| 9N04 | 4822 117 13605 | Jumper 0402 |
| 9N05 | 4822 117 13605 | Jumper 0402 |
| 9N08 | 4822 117 13605 | Jumper 0402 |
| 9N09 | 4822 117 13605 | Jumper 0402 |
| 9N12 | 4822 117 13605 | Jumper 0402 |
| 9N14 | 4822 117 13605 | Jumper 0402 |
| 9O16 | 4822 117 13605 | Jumper 0402 |
| 9P01 | 4822 117 13605 | Jumper 0402 |
| 9P02 | 4822 117 13605 | Jumper 0402 |
| 9P05 | 4822 117 13605 | Jumper 0402 |
| 9P06 | 4822 117 13605 | Jumper 0402 |
| 9P07 | 4822 117 13605 | Jumper 0402 |
| 9P08 | 4822 117 13605 | Jumper 0402 |
| 9P09 | 4822 117 13605 | Jumper 0402 |
| 9P11 | 4822 117 13605 | Jumper 0402 |
| 9P22 | 4822 117 13605 | Jumper 0402 |
| 9P23 | 4822 117 13605 | Jumper 0402 |
| 9P24 | 4822 117 13605 | Jumper 0402 |
| 9P25 | 4822 117 13605 | Jumper 0402 |
| 9P26 | 4822 117 13605 | Jumper 0402 |
| 9P27 | 4822 117 13605 | Jumper 0402 |
| 9P28 | 4822 117 13605 | Jumper 0402 |
| 9P30 | 4822 117 13605 | Jumper 0402 |
| 9P31 | 4822 117 13605 | Jumper 0402 |
| 9P32 | 4822 117 13605 | Jumper 0402 |
| 9P34 | 4822 117 13605 | Jumper 0402 |
| 9P36 | 4822 117 13605 | Jumper 0402 |
| 9P37 | 4822 117 13605 | Jumper 0402 |
| 9P38 | 4822 117 13605 | Jumper 0402 |
| 9P41 | 4822 117 13605 | Jumper 0402 |
| 9P79 | 4822 117 13605 | Jumper 0402 |
| 9R02 | 4822 117 13605 | Jumper 0402 |
| 9R06 | 4822 117 13605 | Jumper 0402 |
| 9T05 | 4822 117 13605 | Jumper 0402 |
| 9T06 | 4822 117 13605 | Jumper 0402 |
| 9T07 | 4822 117 13605 | Jumper 0402 |
| 9T08 | 4822 117 13605 | Jumper 0402 |
| 9T23 | 4822 117 13605 | Jumper 0402 |
| 9T24 | 4822 117 13605 | Jumper 0402 |
| 9T25 | 4822 117 13605 | Jumper 0402 |
| 9T40 | 4822 117 13605 | Jumper 0402 |
| 9T44 | 4822 117 13605 | Jumper 0402 |
| 9T73 | 4822 117 13605 | Jumper 0402 |
| 9U01 | 4822 117 13605 | Jumper 0402 |
| 9U02 | 4822 117 13605 | Jumper 0402 |
| 9U03 | 4822 117 13605 | Jumper 0402 |
| 9U09 | 4822 117 13548 | 1kΩ 5% 0402 |
| 9U10 | 4822 051 20008 | Jumper 0805 |
| 9U11 | 4822 051 20008 | Jumper 0805 |
| 9U12 | 4822 051 20008 | Jumper 0805 |
| 9U40 | 4822 051 20008 | Jumper 0805 |
| 9U41 | 4822 051 20008 | Jumper 0805 |
| 9U60 | 4822 117 13605 | Jumper 0402 |
| 9W03 | 4822 117 13605 | Jumper 0402 |
| 9W05 | 4822 117 13605 | Jumper 0402 |
| 9W08 | 4822 117 13605 | Jumper 0402 |
| 9W12 | 4822 117 13605 | Jumper 0402 |
| 9W14 | 4822 117 13605 | Jumper 0402 |
| 9W15 | 4822 117 13605 | Jumper 0402 |
| 9W16 | 4822 117 13605 | Jumper 0402 |
| 9W17 | 4822 117 13605 | Jumper 0402 |
| 9W18 | 4822 117 13605 | Jumper 0402 |
| 9W19 | 4822 117 13605 | Jumper 0402 |
| 9W23 | 4822 117 13605 | Jumper 0402 |
| 9W24 | 4822 117 13605 | Jumper 0402 |
| 9W33 | 4822 117 13605 | Jumper 0402 |
| 9W34 | 4822 117 13605 | Jumper 0402 |
| 9W36 | 4822 117 13605 | Jumper 0402 |
| 9W37 | 4822 117 13605 | Jumper 0402 |
| 9W39 | 4822 117 13605 | Jumper 0402 |
| 9W40 | 4822 117 13605 | Jumper 0402 |
| 9W41 | 4822 117 13605 | Jumper 0402 |
| 9Y04 | 4822 117 13605 | Jumper 0402 |
| 9Y05 | 4822 117 13605 | Jumper 0402 |
| 9Y06 | 4822 117 13605 | Jumper 0402 |
| 9Y07 | 4822 117 13605 | Jumper 0402 |

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| 5A01 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A02 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A03 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A33 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A34 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A36 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A52 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A53 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A54 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A56 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5A59 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5B00 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5B01 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5B04 | 3198 018 51080 | 1µH 10% 0603 |
| 5B05 | 3198 018 51080 | 1µH 10% 0603 |
| 5B07 | 3198 018 51080 | 1µH 10% 0603 |
| 5B09 | 3198 018 51080 | 1µH 10% 0603 |
| 5B10 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5B11 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5B12 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5B13 | 3198 018 51080 | 1µH 10% 0603 |
| 5B14 | 3198 018 51080 | 1µH 10% 0603 |
| 5B17 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5B18 | 4822 157 11506 | Bead 120Ω at 100MHz |
| 5C01 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5C01 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5C03 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5C03 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5C31 | 4822 051 30181 | 180Ω 5% 0.062W |
| 5C33 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5C33 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5C34 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5C34 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5C36 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5C36 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5C52 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5C52 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5C53 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5C54 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5C54 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5C55 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5C56 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5C59 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5C59 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5C70 | 2422 549 00195 | Bead 40.4MHz |
| 5D00 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D01 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D02 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D03 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D04 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D05 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D10 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D11 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D12 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D13 | 2422 535 91025 | 22µH 10% 7A10N |
| 5D14 | 2422 535 91025 | 22µH 10% 7A10N |
| 5D15 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D16 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D17 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D20 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D21 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D22 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D23 | 2422 536 00137 | 33µH 10% |
| 5D24 | 2422 536 00137 | 33µH 10% |
| 5D25 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D26 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5D27 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5F00 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F01 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F02 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F03 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F04 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F06 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F07 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F08 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F09 | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F0B | 2422 549 45325 | Bead 67Ω at 100MHz |
| 5F0D | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F0H | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F0I | 2422 549 42896 | Bead 120Ω 100MHz |
| 5F0L | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F0M | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F0N | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F0P | 2422 549 42896 | Bead 120Ω 100MHz |
| 5F0Q | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F0R | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5F0S | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5F0T | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5F0W | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F10 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F11 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F22 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F23 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5F60 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5F61 | 2422 549 42896 | Bead 120Ω 100MHz |

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|---|---|---|
| 5F62 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5F83 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5I01 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5I21 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5I50 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5I51 | 4822 157 11716 | Bead 30Ω at 100MHz |
| 5J00 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5J01 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5J02 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5J03 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5J04 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5J05 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5J06 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5J07 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5J13 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5L50 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5L50 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5L51 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5L52 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5LA1 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5LA2 | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5LA3 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5LA3 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5LA4 | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5LA5 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5LA6 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5LA7 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5LA8 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5LN0 | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5LN1 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5LN2 | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5LN3 | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5LN4 | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5M06 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M07 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M08 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M40 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M41 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M42 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M43 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M44 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M45 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M46 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M47 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M48 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M49 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M4A | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M4B | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5M60 | 2422 549 43062 | Bead 600Ω at 100MHz |
| 5N00 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5N01 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5N02 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5O00 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5O01 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5P02 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5P08 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5Q01 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5Q02 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5Q03 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5Q04 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5Q05 | 3198 018 51080 | 1μH 10% 0603 |
| 5Q06 | 3198 018 52280 | 2.2μH 10% 0603 |
| 5Q07 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5R00 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5R01 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5R02 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5R03 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5R04 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5R05 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5R06 | 2422 549 00287 | Bead 220Ω 100MHz |
| 5T01 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5T01 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5T02 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5T03 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5T04 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5T05 | 3198 018 31080 | 1μH 10% 0805 |
| 5T08 | 4822 051 20008 | Jumper 0805 |
| 5T12 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5T12 | 2422 549 45843 | Bead 30Ω at 100MHz |
| 5U00 | 2422 536 00671 | 10μH 20% |
| 5U01 | 2422 536 00671 | 10μH 20% |
| 5U02 | 2422 536 00779 | 10μH 20% |
| 5U03 | 2422 536 00779 | 10μH 20% |
| 5U04 | 2422 536 00779 | 10μH 20% |
| 5U05 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U06 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U07 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U08 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U09 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U0A | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U0B | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U0C | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U0D | 2422 536 00671 | 10μH 20% |
| 5U40 | 2422 536 00532 | 220μH 20% |
| 5U60 | 2422 536 00671 | 10μH 20% |
| 5U61 | 2422 536 00779 | 10μH 20% |
| 5U62 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5U63 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5V01 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5V02 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5W04 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5W08 | 4822 157 71206 | Bead 600Ω 100MHz |
| 5W12 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5W14 | 3198 018 90050 | Bead 1kΩ at 100MHz |
| 5W15 | 3198 018 31080 | 1μH 10% 0805 |
| 5W15 | 3198 018 33370 | 0.33μH 10% 0805 |
| 5W15 | 4822 157 11892 | 0.22μH 10% 0805 |
| 5Z00 | 4822 051 30008 | Jumper 0603 |
| 5Z01 | 4822 051 30759 | 75Ω 5% 0.062W |
| 5Z02 | 4822 051 30008 | Jumper 0603 |
| 5Z50 | 2422 549 43769 | Bead 30Ω at 100MHz |

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|---|---|---|
| 6A52 | 9340 552 30115 | BA591 |
| 6B20 | 4822 130 11397 | BAS316 |
| 6B21 | 4822 130 11397 | BAS316 |
| 6B22 | 4822 130 11397 | BAS316 |
| 6B23 | 4822 130 11397 | BAS316 |
| 6C52 | 9340 552 30115 | BA591 |
| 6D10 | 4822 130 11397 | BAS316 |
| 6D11 | 4822 130 11152 | UDZ18B |
| 6D80 | 4822 130 11397 | BAS316 |
| 6F00 | 9322 134 46685 | SML-310MT |
| 6F01 | 9322 134 46685 | SML-310MT |
| 6F02 | 3198 020 55680 | BZX384-C5V6 |
| 6F03 | 5322 130 34331 | BAV70 |
| 6F06 | 5322 130 34331 | BAV70 |
| 6F07 | 5322 130 34331 | BAV70 |
| 6F08 | 4822 130 11397 | BAS316 |
| 6F62 | 9322 134 46685 | SML-310MT |
| 6H00 | 9322 134 46685 | SML-310MT |
| 6H01 | 4822 130 11397 | BAS316 |
| 6H03 | 4822 130 11397 | BAS316 |
| 6I01 | 4822 130 11416 | PDZ6.8B |
| 6I02 | 4822 130 11416 | PDZ6.8B |
| 6I03 | 4822 130 11416 | PDZ6.8B |
| 6I04 | 4822 130 11416 | PDZ6.8B |
| 6I11 | 4822 130 11416 | PDZ6.8B |
| 6I12 | 4822 130 11416 | PDZ6.8B |
| 6I13 | 4822 130 11416 | PDZ6.8B |
| 6I14 | 4822 130 11416 | PDZ6.8B |
| 6I15 | 4822 130 11416 | PDZ6.8B |
| 6I16 | 4822 130 11416 | PDZ6.8B |
| 6I21 | 4822 130 11416 | PDZ6.8B |
| 6I22 | 4822 130 11416 | PDZ6.8B |
| 6I23 | 4822 130 11416 | PDZ6.8B |
| 6I24 | 4822 130 11416 | PDZ6.8B |
| 6I25 | 4822 130 11416 | PDZ6.8B |
| 6I26 | 4822 130 11416 | PDZ6.8B |
| 6I31 | 5322 130 34337 | BAV99 |
| 6I32 | 4822 130 11416 | PDZ6.8B |
| 6I33 | 5322 130 34337 | BAV99 |
| 6I34 | 4822 130 11416 | PDZ6.8B |
| 6I35 | 5322 130 34337 | BAV99 |
| 6I36 | 4822 130 11416 | PDZ6.8B |
| 6I51 | 4822 130 11423 | PLVA2656A |
| 6I52 | 4822 130 11423 | PLVA2656A |
| 6I53 | 4822 130 11423 | PLVA2656A |
| 6I54 | 4822 130 11423 | PLVA2656A |
| 6I55 | 4822 130 11423 | PLVA2656A |
| 6I56 | 9340 553 52115 | BAS321 |
| 6I57 | 9340 553 52115 | BAS321 |
| 6I58 | 9340 553 52115 | BAS321 |
| 6I59 | 9340 553 52115 | BAS321 |
| 6I60 | 4822 130 80622 | BAT54 |
| 6I80 | 4822 130 80622 | BAT54 |
| 6I90 | 4822 130 11397 | BAS316 |
| 6J07 | 4822 130 11397 | BAS316 |
| 6J08 | 4822 130 80622 | BAT54 |
| 6L00 | 4822 130 11397 | BAS316 |
| 6L01 | 4822 130 11397 | BAS316 |
| 6L02 | 4822 130 11397 | BAS316 |
| 6L03 | 4822 130 11397 | BAS316 |
| 6L04 | 4822 130 11397 | BAS316 |
| 6M40 | 9340 566 10115 | BAV99S |
| 6M80 | 4822 130 11397 | BAS316 |
| 6M81 | 4822 130 11397 | BAS316 |
| 6O00 | 4822 130 11397 | BAS316 |
| 6O01 | 4822 130 11397 | BAS316 |
| 6P00 | 4822 130 11397 | BAS316 |
| 6P10 | 4822 130 11397 | BAS316 |
| 6P11 | 4822 130 11397 | BAS316 |
| 6T01 | 9322 208 84685 | BZG05C33 |
| 6U00 | 4822 130 11397 | BAS316 |
| 6U01 | 4822 130 11397 | BAS316 |
| 6U02 | 4822 130 11397 | BAS316 |
| 6U07 | 4822 130 11397 | BAS316 |
| 6U08 | 4822 130 11397 | BAS316 |
| 6U09 | 4822 130 11397 | BAS316 |
| 6U0B | 9322 134 46685 | SML-310MT |
| 6U0C | 9322 134 46685 | SML-310MT |
| 6U0D | 9322 134 46685 | SML-310MT |
| 6U0E | 9322 134 46685 | SML-310MT |
| 6U12 | 9322 165 17668 | STPS2L30A |
| 6U13 | 4822 130 11416 | PDZ6.8B |
| 6U40 | 4822 130 11397 | BAS316 |
| 6U43 | 9340 548 69115 | PDZ27B |
| 6U60 | 4822 130 11397 | BAS316 |
| 6U62 | 9340 548 58115 | PDZ9.1B |

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|---|---|---|
| 7A00 | 9352 767 55557 | PNX3000HL/N3 |
| 7A01 | 9340 425 30115 | BC847BPN |
| 7A03 | 9322 185 74668 | LM324P |
| 7A04 | 9322 187 67668 | TS482IS |
| 7A54 | 3198 010 42310 | BC847BW |
| 7A55 | 3198 010 42310 | BC847BW |
| 7B02 | | For SW see item 0802 |
| 7B03 | | For SW see item 0802 |
| 7B06 | 4822 209 17398 | LD1117DT33 |
| 7B11 | 9352 798 11557 | TDA9975EL/8/C2 |
| 7B11 | 9352 822 41557 | TDA9975EL/8/C3 |
| 7B12 | 9322 213 50685 | TS431AIL |
| 7B13 | 4822 130 42804 | BC817-25 |
| 7B30 | 3198 010 42310 | BC847BW |
| 7B31 | 3198 010 42310 | BC847BW |
| 7C00 | 9352 767 55557 | PNX3000HL/N3 |
| 7C01 | 9340 425 30115 | BC847BPN |
| 7C02 | 3198 010 42310 | BC847BW |
| 7C05 | 9322 198 11685 | L78L08ACU |
| 7C31 | 3198 010 42310 | BC847BW |
| 7C54 | 3198 010 42310 | BC847BW |
| 7C55 | 3198 010 42310 | BC847BW |
| 7D09 | 3198 010 42310 | BC847BW |
| 7D10 | 9322 213 35668 | LM339P |
| 7D11 | 9340 425 20115 | BC847BS |
| 7D12 | 9340 425 20115 | BC847BS |
| 7D14 | 3198 010 42310 | BC847BW |
| 7D15 | 3198 010 44350 | BC807-25W |
| 7D16 | 9340 425 30115 | BC847BPN |
| 7D17 | 9340 219 30115 | BC817-25W |
| 7D18 | 9322 224 40668 | FET FDS4559_NL |
| 7D19 | 3198 010 42310 | BC847BW |
| 7D20 | 3198 010 44350 | BC807-25W |
| 7D21 | 9340 425 30115 | BC847BPN |
| 7D22 | 9340 219 30115 | BC817-25W |
| 7D23 | 9322 224 40668 | FET FDS4559_NL |
| 7D25 | 9340 425 30115 | BC847BPN |
| 7D26 | 9340 425 30115 | BC847BPN |
| 7D30 | 3198 010 42320 | BC857BW |
| 7D31 | 3198 010 42320 | BC857BW |
| 7D33 | 9322 185 74668 | LM324P |
| 7D40 | 9322 213 18668 | LM393PW |
| 7D44 | 3198 010 42310 | BC847BW |
| 7D45 | 3198 010 44350 | BC807-25W |
| 7D46 | 9340 425 30115 | BC847BPN |
| 7D47 | 9340 219 30115 | BC817-25W |
| 7D48 | 9322 224 40668 | FET FDS4559_NL |
| 7D49 | 3198 010 42310 | BC847BW |
| 7D50 | 3198 010 44350 | BC807-25W |
| 7D51 | 9340 425 30115 | BC847BPN |
| 7D52 | 9340 219 30115 | BC817-25W |
| 7D53 | 9322 224 40668 | FET FDS4559_NL |
| 7D60 | 3198 010 42320 | BC857BW |
| 7D62 | 3198 010 42320 | BC857BW |
| 7F01 | 9322 215 24668 | LD1117DT12 |
| 7F02 | 9340 425 20115 | BC847BS |
| 7F03 | 3198 010 42310 | BC847BW |
| 7F04 | 9322 225 53668 | EPCS16SI16N |
| 7F05 | 9322 204 10685 | SI3441BDV |
| 7F06 | 3198 010 42310 | BC847BW |
| 7F08 | 9340 425 30115 | BC847BPN |
| 7F09 | 9340 425 20115 | BC847BS |
| 7F12 | 3198 010 42310 | BC847BW |
| 7F13 | 9322 206 45668 | M25P05-AVMN6P |
| 7F14 | 9322 213 42685 | LD3985M25 |
| 7F15 | 9322 160 50668 | LD1117DT25 |
| 7F16 | 9322 230 98671 | PACIFIC3-N3(O) |
| 7F17 | 9322 144 97668 | LD1117DT |
| 7F18 | 9322 225 54671 | EP2C35F484C7N |
| 7F19 | 9322 232 60671 | MSM56V16160J |
| 7F20 | 9352 711 46118 | P87LPC760BDH |
| 7F60 | 9322 220 39668 | XCF02SVOG20C |
| 7F62 | 3198 010 42310 | BC847BW |
| 7F64 | 3198 010 44310 | PDTC114EU |
| 7F65 | 9322 230 41668 | XC3S250E-4FTG256C |
| 7I03 | 9351 875 80118 | 74HCU04PW |
| 7I21 | 9340 425 20115 | BC847BS |

| | | |
|---|---|---|
| 7I50 | 9322 215 17668 | M24C01-WMN6P |
| 7I60 | 3198 010 44350 | BC807-25W |
| 7I61 | 9340 425 30115 | BC847BPN |
| 7I62 | 9340 219 30115 | BC817-25W |
| 7I80 | 9340 425 30115 | BC847BPN |
| 7I81 | 3198 010 44350 | BC807-25W |
| 7I82 | 9340 219 30115 | BC817-25W |
| 7I83 | 3198 010 42320 | BC857BW |
| 7I84 | 9340 425 30115 | BC847BPN |
| 7J00 | 9352 806 64557 | PNX2015E/M1E02 |
| 7J00 | 9352 815 51557 | PNX2015E/M2B02 |
| 7J01 | 9340 425 30115 | BC847BPN |
| 7J02 | 9340 425 30115 | BC847BPN |
| 7J08 | 9322 211 75685 | SN74LVC1G126DCK |
| 7L50 | 9322 204 09671 | K4D261638F-LC40 |
| 7L50 | 9322 228 06671 | K4D261638I-LC40 |
| 7L51 | 3198 010 42320 | BC857BW |
| 7L52 | 9322 206 22668 | M24C64-WDW6P |
| 7LA1 | 9322 204 63685 | NCP303LSN10 |
| 7LA2 | 9340 425 30115 | BC847BPN |
| 7LA3 | 9340 425 30115 | BC847BPN |
| 7LA7 | | For SW see item 0802 |
| 7LB0 | 9322 204 63685 | NCP303LSN10 |
| 7LB1 | 9322 204 63685 | NCP303LSN10 |
| 7LB2 | 9322 204 63685 | NCP303LSN10 |
| 7LB3 | 9322 204 63685 | NCP303LSN10 |
| 7LB4 | 9322 204 63685 | NCP303LSN10 |
| 7LB5 | 5322 130 60159 | BC846B |
| 7LB6 | 3198 010 44310 | PDTC114EU |
| 7LB7 | 3198 010 44310 | PDTC114EU |
| 7LB8 | 9340 560 35235 | BSH112 |
| 7LB9 | 9340 560 35235 | BSH112 |
| 7M00 | 9322 204 86668 | LM3526M-LNOPB |
| 7M40 | 9340 425 30115 | BC847BPN |
| 7M41 | 5322 130 60159 | BC846B |
| 7M80 | 9322 204 63685 | NCP303LSN10 |
| 7M81 | 3198 010 44310 | PDTC114EU |
| 7M82 | 9322 213 50685 | TS431AIL |
| 7M83 | 5322 130 60159 | BC846B |
| 7M84 | 9322 213 50685 | TS431AIL |
| 7M85 | 5322 130 60159 | BC846B |
| 7M86 | 5322 130 60159 | BC846B |
| 7M87 | 5322 130 60159 | BC846B |
| 7M88 | 5322 130 60159 | BC846B |
| 7M8B | 5322 130 60159 | BC846B |
| 7N00 | 9352 698 49518 | ISP1561BM |
| 7O00 | 9322 191 29671 | DP83816AVNG |
| 7P00 | 9322 173 43668 | TPS2211AIDB |
| 7P03 | 9322 160 60668 | STV0701 |
| 7P15 | 9351 750 00118 | 74HC4066PW |
| 7P16 | 3198 010 44310 | PDTC114EU |
| 7P17 | 3198 010 44310 | PDTC114EU |
| 7P20 | 3198 010 44310 | PDTC114EU |
| 7P21 | 3198 010 44310 | PDTC114EU |
| 7P22 | 3198 010 44310 | PDTC114EU |
| 7P23 | 3198 010 44310 | PDTC114EU |
| 7P31 | 9352 190 20118 | 74LVC573APW |
| 7P32 | 9352 190 20118 | 74LVC573APW |
| 7P34 | 9352 115 40118 | 74LVC245APW |
| 7P76 | 9352 115 40118 | 74LVC245APW |
| 7P77 | 9352 115 40118 | 74LVC245APW |
| 7P80 | | For SW see item 0802 |
| 7P81 | 9352 115 40118 | 74LVC245APW |
| 7R00 | 9322 223 87671 | T6TE0TBG-0001 |
| 7R01 | 9322 214 25671 | IC K4H561638F-UCB3 |
| 7R04 | 3198 010 42310 | BC847BW |
| 7R10 | 9322 213 50685 | TS431AIL |
| 7R11 | 9340 575 87118 | PHD38N02LT |
| 7R12 | 9340 425 30115 | BC847BPN |
| 7T01 | 9322 104 47668 | L78M05CDT |
| 7T02 | 9322 104 47668 | L78M05CDT |
| 7T10 | 3198 010 42310 | BC847BW |
| 7T11 | 5322 130 42718 | BFS20 |
| 7U01 | 9322 160 70668 | SI4936ADY |
| 7U02 | 9322 160 70668 | SI4936ADY |
| 7U03 | 9322 160 70668 | SI4936ADY |
| 7U04 | 9322 182 77668 | L6910 |
| 7U05 | 9322 182 77668 | L6910 |
| 7U06 | 9322 182 77668 | L6910 |
| 7U08 | 9340 425 20115 | BC847BS |
| 7U09 | 9340 425 20115 | BC847BS |
| 7U10 | 9340 425 20115 | BC847BS |
| 7U20 | 9340 425 30115 | BC847BPN |
| 7U21 | 9340 425 10115 | BC857BS |
| 7U23 | 3198 010 42310 | BC847BW |
| 7U40 | 9340 560 35235 | BSH112 |
| 7U41 | 3198 010 42310 | BC847BW |
| 7U61 | 9322 160 70668 | SI4936ADY |
| 7U64 | 9322 182 77668 | L6910 |
| 7U66 | 9340 425 20115 | BC847BS |
| 7U67 | 9340 425 30115 | BC847BPN |
| 7V00 | 9352 800 63557 | PNX8550EH/M2/S1 |
| 7V01 | 9322 225 58671 | K4H511638C-UCCC |
| 7V02 | 9322 225 58671 | K4H511638C-UCCC |
| 7V10 | 3198 010 44310 | PDTC114EU |
| 7W10 | 3198 010 42310 | BC847BW |
| 7W11 | 5322 130 42718 | BFS20 |
| 7W13 | 9352 684 56115 | 74LVC1G04GW |
| 7W14 | 9322 217 28668 | LD1117DT18 |
| 7W17 | 9352 732 45557 | TDA10046AHT/C1 |
| 7W18 | 9340 425 30115 | BC847BPN |
| 7W19 | 9340 425 30115 | BC847BPN |
| 7Z11 | 9352 115 40118 | 74LVC245APW |
| 7Z12 | 9352 115 40118 | 74LVC245APW |

## External I/O Panel [BE]

### Various

| | | |
|---|---|---|
| 1E50 | 2422 025 17601 | Connector 40p f |
| 1I01▲ | 2422 025 19472 | Sock. SCART 21p f Bk |
| 1I02▲ | 2422 025 19472 | Sock. SCART 21p f Bk |

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|---|---|---|
| 2O01 | 2020 552 94427 | 100pF 5% 50V |
| 2O02 | 4822 126 13879 | 220nF +80-20% 16V |
| 2O03 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O06 | 2020 552 94427 | 100pF 5% 50V |
| 2O07 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2O08 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2O09 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O10 | 2020 552 94427 | 100pF 5% 50V |
| 2O11 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2O12 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O14 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O15 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O16 | 2020 552 94427 | 100pF 5% 50V |
| 2O17 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O18 | 4822 126 14241 | 330pF 0603 50V |
| 2O23 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O24 | 4822 124 12095 | 100µF 20% 16V |
| 2O25 | 4822 126 14585 | 100nF 10% 0805 50V |
| 2O26 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2O29 | 2020 552 94427 | 100pF 5% 50V |
| 2O30 | 2020 552 94427 | 100pF 5% 50V |
| 2O31 | 2020 552 94427 | 100pF 5% 50V |
| 2O32 | 2020 552 94427 | 100pF 5% 50V |
| 2O33 | 4822 126 14241 | 330pF 0603 50V |
| 2O35 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O36 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O37 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O38 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O39 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2O40 | 4822 124 23002 | 10µF 16V |
| 2O42 | 4822 124 23002 | 10µF 16V |
| 2O44 | 4822 124 23002 | 10µF 16V |
| 2O46 | 4822 124 23002 | 10µF 16V |
| 2O52 | 4822 124 12313 | 22µF 10V 20% |
| 2O53 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O54 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O55 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2O56 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O57 | 2020 004 90283 | 10µF 20% 10V 1206 |
| 2O58 | 2238 586 59812 | 100nF 20% 50V 0603 |
| 2O59 | 2020 004 90283 | 10µF 20% 10V 1206 |

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|---|---|---|
| 3999 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3I01 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3I02 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3I03 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3I04 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3I05 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3I06 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3I07 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3I08 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3I09 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3I10 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3O01 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O02 | 4822 051 30561 | 560Ω 5% 0.062W |
| 3O03 | 4822 051 30391 | 390Ω 5% 0.062W |
| 3O04 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3O05 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3O06 | 4822 051 30689 | 68Ω 5% 0.063W 0603 |
| 3O07 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O08 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3O09 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3O10 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3O11 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O12 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3O13 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3O14 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O15 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O16 | 3198 021 38220 | 8.2kΩ 5% 0.062W 0603 |
| 3O17 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3O18 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3O19 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O20 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3O21 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3O22 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3O23 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O24 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3O25 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3O26 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O27 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3O28 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O29 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3O30 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3O31 | 3198 021 38220 | 8.2kΩ 5% 0.062W 0603 |
| 3O32 | 4822 051 30332 | 3.3Ω 5% 0.062W |
| 3O33 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3O34 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3O35 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O36 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O37 | 4822 051 30681 | 680Ω 5% 0.062W |
| 3O38 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O40 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O41 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O42 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O43 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O44 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O45 | 4822 051 30689 | 68Ω 5% 0.063W 0603 |
| 3O46 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O47 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O48 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O49▲ | 4822 117 11151 | 1Ω 5% |
| 3O51 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O52 | 4822 051 30689 | 68Ω 5% 0.063W 0603 |
| 3O54 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O55 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O57 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O59 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O60 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O61 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O62 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3O63 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O64 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O65 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3O66 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O67 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O68 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O70 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O72 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O74 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O75 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O76 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O77 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O78 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3O79 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O80 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O81 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O82 | 4822 051 30151 | 150Ω 5% 0.062W |
| 3O83 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O91 | 4822 051 30151 | 150Ω 5% 0.062W |
| 3O93 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3O95 | 4822 051 30151 | 150Ω 5% 0.062W |
| 3O97 | 4822 051 30151 | 150Ω 5% 0.062W |

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|---|---|---|
| 5O00 | 4822 157 11716 | Bead 30Ω at 100MHz |

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|---|---|---|
| 6O01 | 4822 130 11416 | PDZ6.8B |
| 6O02 | 9322 129 41685 | BZM55-C12 |
| 6O03 | 4822 130 11416 | PDZ6.8B |
| 6O04 | 4822 130 11416 | PDZ6.8B |
| 6O05 | 4822 130 11397 | BAS316 |
| 6O06 | 4822 130 11397 | BAS316 |
| 6O07 | 4822 130 11416 | PDZ6.8B |
| 6O08 | 4822 130 11416 | PDZ6.8B |
| 6O09 | 4822 130 11416 | PDZ6.8B |
| 6O10 | 4822 130 11416 | PDZ6.8B |
| 6O11 | 4822 130 11416 | PDZ6.8B |
| 6O12 | 4822 130 11416 | PDZ6.8B |
| 6O13 | 4822 130 11416 | PDZ6.8B |
| 6O14 | 4822 130 11416 | PDZ6.8B |
| 6O15 | 4822 130 11416 | PDZ6.8B |
| 6O16 | 4822 130 11416 | PDZ6.8B |
| 6O17 | 4822 130 11416 | PDZ6.8B |
| 6O18 | 4822 130 11397 | BAS316 |
| 6O19 | 4822 130 11416 | PDZ6.8B |
| 6O20 | 4822 130 11416 | PDZ6.8B |
| 6O21 | 4822 130 11416 | PDZ6.8B |

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|---|---|---|
| 6O22 | 9322 129 41685 | BZM55-C12 |
| 6O24 | 4822 130 11416 | PDZ6.8B |
| 6O25 | 4822 130 11416 | PDZ6.8B |
| 6O27 | 4822 130 11416 | PDZ6.8B |
| 6O29 | 4822 130 11416 | PDZ6.8B |
| 6O30 | 4822 130 11416 | PDZ6.8B |
| 6O31 | 4822 130 11416 | PDZ6.8B |
| 6O32 | 4822 130 11416 | PDZ6.8B |
| 6O33 | 4822 130 11416 | PDZ6.8B |
| 6O34 | 4822 130 11416 | PDZ6.8B |
| 6O35 | 4822 130 11416 | PDZ6.8B |
| 6O36 | 4822 130 11416 | PDZ6.8B |
| 6O37 | 4822 130 11416 | PDZ6.8B |
| 6O38 | 9322 102 64685 | UDZ2.7B |

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|---|---|---|
| 7O00 | 9351 869 40118 | 74HC4053PW |
| 7O01 | 3198 010 42310 | BC847BW |
| 7O02 | 3198 010 42310 | BC847BW |
| 7O03 | 3198 010 42310 | BC847BW |
| 7O04 | 3198 010 42310 | BC847BW |
| 7O05 | 3198 010 42310 | BC847BW |
| 7O06 | 3198 010 42310 | BC847BW |
| 7O07 | 3198 010 42310 | BC847BW |
| 7O08 | 3198 010 42310 | BC847BW |
| 7O09 | 3198 010 42310 | BC847BW |
| 7O10 | 9351 869 40118 | 74HC4053PW |
| 7O11 | 3198 010 42310 | BC847BW |
| 7O12 | 3198 010 42310 | BC847BW |
| 7O13 | 3198 010 42310 | BC847BW |
| 7O15 | 3198 010 42310 | BC847BW |
| 7O21 | 9340 425 20115 | BC847BS |
| 7O24 | 3198 010 42310 | BC847BW |
| 7O25 | 3198 010 42310 | BC847BW |

## Side I/O Panel rear facing [D]

### Various

| | | |
|---|---|---|
| 1301 | 4822 267 10484 | YKF51-5359 |
| 1302 | 2422 026 05808 | Cinch 3p f Ye |
| 1303 | 2422 026 05059 | Connector Phone |
| 1304 | 2422 025 10655 | Connector 11p m |
| 1308 | 2422 025 18984 | Sock. USB 4p f 2/2.5 |
| 1309 | 2422 025 09406 | Connector 4p m |
| 1310 | 2422 025 10768 | Connector 3p m |

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|---|---|---|
| 2301 | 4822 126 11785 | 47pF 5% 50V 0603 |
| 2302 | 4822 126 11785 | 47pF 5% 50V 0603 |
| 2303 | 4822 122 33761 | 22pF 5% 50V |
| 2304 | 4822 126 11785 | 47pF 5% 50V 0603 |
| 2305 | 2020 552 94427 | 100pF 5% 50V |
| 2306 | 2020 552 94427 | 100pF 5% 50V |
| 2307 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2308 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2309 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2310 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2311 | 4822 122 33761 | 22pF 5% 50V |
| 2312 | 2020 004 90297 | 100µF 20% 16V |

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|---|---|---|
| 3301 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3302 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3303 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3304 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3305 | 4822 051 30109 | 10Ω 5% 0.062W |
| 3306 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3307 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3308 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3309 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3310 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3311 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3312 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3313 | 4822 051 30103 | 10kΩ 5% 0.062W |

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| | | |
|---|---|---|
| 5300 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5301 | 4822 051 20008 | Jumper 0805 |
| 5302 | 4822 051 20008 | Jumper 0805 |

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| | | |
|---|---|---|
| 6301 | 9322 146 61685 | DF3A6.8FU |
| 6302 | 9322 146 61685 | DF3A6.8FU |
| 6303 | 9322 146 61685 | DF3A6.8FU |
| 6304 | 9322 146 61685 | DF3A6.8FU |
| 6305 | 9322 146 61685 | DF3A6.8FU |
| 6306 | 9322 146 61685 | DF3A6.8FU |
| 6307 | 9322 146 61685 | DF3A6.8FU |

## Side I/O Panel [D]

### Various

| | | |
|---|---|---|
| 1001 | 2422 026 05133 | Connector SVHS 4p f |
| 1002 | 2422 026 05807 | Sckt Cinch 3p f YeWhRd |
| 1005 | 2422 033 00486 | Socket USB 4p F |
| 1010 | 4822 267 31014 | Sckt headphone |
| 1H01 | 2422 033 00486 | Socket USB 4p F |
| 1M36 | 2422 025 10655 | Connector 11p m |
| 1M37 | 2422 025 18735 | Connector 11p m |

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| | | |
|---|---|---|
| 2003 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2004 | 3198 016 36810 | 680pF 25V 0603 |
| 2005 | 2020 552 94427 | 100pF 5% 50V |
| 2006 | 3198 016 36810 | 680pF 25V 0603 |
| 2007 | 2020 552 94427 | 100pF 5% 50V |
| 2008 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2009 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2010 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2011 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2903 | 2020 552 94427 | 100pF 5% 50V |
| 2904 | 2020 552 94427 | 100pF 5% 50V |
| 2905 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2905 | 3198 017 33330 | 33nF 20% 16V 0603 |
| 2906 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2906 | 3198 017 33330 | 33nF 20% 16V 0603 |
| 2907 | 4822 126 14249 | 560pF 10% 50V 0603 |
| 2908 | 4822 126 14249 | 560pF 10% 50V 0603 |

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| | | |
|---|---|---|
| 3000 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3004 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3008 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3009 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3010 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3011 | 4822 051 30392 | 3.9Ω 5% 0.063W 0603 |
| 3012 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3013 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3016 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3020 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3902 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3904 | 4822 051 30759 | 75Ω 5% 0.062W |
| 3905 | 4822 051 30222 | 2.2kΩ 5% 0.062W |
| 3906 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3907 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3908 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3909 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3910 | 4822 051 30392 | 3.9Ω 5% 0.063W 0603 |
| 3911 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3912 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3999 | 4822 051 30102 | 1kΩ 5% 0.062W |

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| | | |
|---|---|---|
| 5000 | 2422 549 44197 | Bead 220Ω at 100MHz |
| 5001 | 2422 549 44197 | Bead 220Ω at 100MHz |

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| | | |
|---|---|---|
| 6000 | 4822 130 11416 | PDZ6.8B |
| 6001 | 4822 130 11416 | PDZ6.8B |
| 6002 | 4822 130 11416 | PDZ6.8B |
| 6003 | 4822 130 11416 | PDZ6.8B |
| 6004 | 4822 130 11416 | PDZ6.8B |
| 6005 | 4822 130 11416 | PDZ6.8B |
| 6006 | 4822 130 11416 | PDZ6.8B |
| 6007 | 4822 130 11416 | PDZ6.8B |
| 6008 | 4822 130 11416 | PDZ6.8B |
| 6009 | 4822 130 11416 | PDZ6.8B |
| 6010 | 4822 130 11416 | PDZ6.8B |
| 6011 | 4822 130 11416 | PDZ6.8B |
| 6900 | 4822 130 11416 | PDZ6.8B |
| 6901 | 4822 130 11416 | PDZ6.8B |
| 6902 | 4822 130 11416 | PDZ6.8B |
| 6903 | 4822 130 11416 | PDZ6.8B |
| 6904 | 4822 130 11416 | PDZ6.8B |
| 6905 | 4822 130 11416 | PDZ6.8B |
| 6906 | 4822 130 11416 | PDZ6.8B |
| 6907 | 4822 130 11416 | PDZ6.8B |
| 6908 | 4822 130 11416 | PDZ6.8B |
| 6909 | 4822 130 11416 | PDZ6.8B |
| 6910 | 4822 130 11416 | PDZ6.8B |
| 6911 | 4822 130 11416 | PDZ6.8B |

## Control Board [E]

### Various

| | | |
|---|---|---|
| 1309 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1310 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1311 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1312 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1313 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1314 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1684 | 4822 267 10459 | Connector 3p |
| 1701 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1702 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1703 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1704 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1705 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1706 | 4822 276 13775 | Switch 1p 0.1A 12V |
| 1M01 | 4822 267 10459 | Connector 3p |

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| | | |
|---|---|---|
| 3002 | 4822 051 30151 | 150Ω 5% 0.062W |
| 3003 | 4822 051 30391 | 390Ω 5% 0.062W |
| 3004 | 4822 051 30561 | 560Ω 5% 0.062W |
| 3005 | 3198 021 31820 | 1.8kΩ 5% 0.062W 0603 |
| 3006 | 4822 117 12968 | 820Ω 5% 0.62W |
| 3318 | 4822 051 30151 | 150Ω 5% 0.062W |
| 3318 | 4822 051 30621 | 620R00 5% 0,062W |
| 3319 | 2322 702 60112 | 1.1kΩ 5% 0603 |
| 3319 | 4822 051 30391 | 390Ω 5% 0.062W |
| 3320 | 2322 702 60201 | 200Ω 5% 0603 |
| 3320 | 3198 021 31820 | 1.8kΩ 5% 0.062W 0603 |
| 3321 | 4822 051 30391 | 390Ω 5% 0.062W |
| 3321 | 4822 117 12968 | 820Ω 5% 0.62W |
| 3322 | 4822 051 30008 | Jumper 0603 |
| 3323 | 4822 051 30008 | Jumper 0603 |
| 3324 | 2322 702 60202 | 2kΩ 5% 0603 |
| 3324 | 4822 051 30561 | 560Ω 5% 0.062W |
| 3999 | 4822 117 12968 | 820Ω 5% 0.62W |

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| | | |
|---|---|---|
| 6306 | 4822 130 11148 | UDZ4.7B |
| 6306 | 4822 130 11416 | PDZ6.8B |

## LED Panel [J]

### Various

| | | |
|---|---|---|
| 1040 | 9322 223 97668 | TSOP36236 IR |
| 1870 | 4822 265 31067 | Connector 7p m |
| 1M21 | 2422 025 18753 | Connector 6p m |

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| | | |
|---|---|---|
| 2040 | 4822 124 12095 | 100µF 20% 16V |
| 2070 | 4822 124 12095 | 100µF 20% 16V |
| 2801 | 2020 552 96637 | 10µF 10% 6.3V 0805 |
| 2802 | 2020 552 96637 | 10µF 10% 6.3V 0805 |

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| | | |
|---|---|---|
| 3040 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3041 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3042 | 3198 031 06820 | 6.8kΩ 5% 0.01W 0402 |
| 3051 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3053 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3055 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3058 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3059 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3061 | 4822 117 13597 | 330Ω 5% 0.01W 0402 |
| 3063 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3065 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3068 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3069 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3071 | 4822 117 13603 | 33kΩ 5% 0402 |
| 3072 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3074 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3077 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 3079 | 2322 705 70475 | 4.7MΩ 5% 0402 |
| 3802 | 4822 051 30151 | 150Ω 5% 0.062W |
| 3803 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3804 | 4822 051 30151 | 150Ω 5% 0.062W |
| 3805 | 3198 021 31080 | 1Ω 5% 0603 |

| | | |
|---|---|---|
| 3809 | 3198 021 32250 | 2.2MΩ 5% 0603 |
| 3810 | 3198 021 32250 | 2.2MΩ 5% 0603 |
| 3999 | 4822 117 13606 | 10kΩ 5% 0.01W 0402 |
| 4806 | 4822 051 30008 | Jumper 0603 |
| 4807 | 4822 051 30008 | Jumper 0603 |
| 4809 | 4822 051 30008 | Jumper 0603 |
| 4815 | 4822 051 30008 | Jumper 0603 |
| 9120 | 4822 117 13605 | Jumper 0402 |
| 9121 | 4822 117 13605 | Jumper 0402 |

| | | |
|---|---|---|
| 6051 | 4822 130 83915 | TLMV3100 |
| 6801 | 9322 192 35676 | SPR-325MVW |
| 6809 | 4822 130 11564 | UDZ3.9B |

| | | |
|---|---|---|
| 7051 | 3198 010 42310 | BC847BW |
| 7052 | 4822 130 60373 | BC856B |
| 7061 | 3198 010 42310 | BC847BW |
| 7062 | 4822 130 60373 | BC856B |
| 7070 | 9322 218 83685 | TEMT6000 |
| 7071 | 3198 010 42310 | BC847BW |
| 7802 | 9322 206 81667 | TSOP34836YA1 |
| 7802 | 9322 207 16667 | TSOP34836LL1B |
| 7803 | 5322 130 60159 | BC846B |
| 7805 | 5322 130 60159 | BC846B |

## Standby & Audio Panel [SA]

### Various

| | | |
|---|---|---|
| 1305 | 4822 267 10735 | Connector 3p |
| 1306⚠ | 2422 025 16374 | Connector 2p m |
| 1318 | 2422 025 08149 | Connector 6p m |
| 1M03 | 2422 025 10771 | Connector 10p m |
| 1M46 | 2422 025 10655 | Connector 11p m |
| 1M63 | 2422 025 09405 | Connector 2p m |
| 1M64 | 2422 025 10769 | Connector 9p m |

| | | |
|---|---|---|
| 2102 | 4822 124 81151 | 22µF 50V |
| 2103 | 2238 916 15641 | 22nF 10% 25V 0603 |
| 2109 | 3198 017 34730 | 47nF 16V 0603 |
| 2129 | 5322 126 11578 | 1nF 10% 50V 0603 |
| 2131 | 2238 586 15641 | 22nF 10% 50V 0603 |
| 2132 | 4822 124 40207 | 100µF 20% 25V |
| 2140 | 4822 124 40248 | 10µF 20% 63V |
| 2141 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2145 | 4822 126 14583 | 470nF 10% 16V 0805 |
| 2152 | 4822 121 70162 | 10nF 5% 400V |
| 2154 | 3198 017 31530 | 15nF 20% 50V 0603 |
| 2160 | 4822 124 21913 | 1µF 20% 63V |
| 2163 | 4822 124 81151 | 22µF 50V |
| 2506⚠ | 2022 554 04155 | 470pF 20% 250V |
| 2507 | 4822 126 13682 | 100pF 5% 1kV |
| 2508 | 4822 124 40764 | 22µF 100V |
| 2510 | 2020 021 91668 | 2200µF 20% 10V |
| 2511 | 4822 124 12379 | 220µF 25V |
| 2513 | 2222 930 56627 | 2.2nF 10% 200V 0805 |
| 2533 | 4822 124 40207 | 100µF 20% 25V |
| 2534 | 2022 552 05679 | 1µF 10% 16V 0805 |
| 2535 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2536 | 5322 126 11583 | 10nF 10% 50V 0603 |
| 2537 | 4822 126 14238 | 2.2nF 50V 0603 |
| 2538 | 2020 552 96683 | 220nF 10% 50V |
| 2539 | 2022 552 05679 | 1µF 10% 16V 0805 |

| | | |
|---|---|---|
| 3104 | 3198 039 22090 | 22Ω 1% |
| 3106 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3108 | 2322 193 14477 | 0.47Ω 5% |
| 3110 | 4822 051 30563 | 56kΩ 5% 0.062W |
| 3110 | 4822 117 12864 | 82kΩ 5% 0.6W |
| 3112 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3113 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3122 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3123 | 5322 117 13053 | 6.8kΩ 1% 0.063W 0603 |
| 3124 | 3198 021 32290 | 22Ω 5% 0603 |
| 3124 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3125 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3126 | 4822 117 13632 | 100kΩ 1% 0603 0.62W |
| 3127 | 4822 117 13613 | 2.2Ω 5% 0603 |
| 3128 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3132 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3134 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3135 | 4822 051 30331 | 330Ω 5% 0.062W |
| 3140 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3141 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3146 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3148 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3149 | 4822 051 30474 | 470kΩ 5% 0.062W |
| 3152 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3153 | 4822 117 12925 | 47kΩ 1% 0.063W 0603 |
| 3159 | 4822 051 30479 | 47Ω 5% 0.062W |
| 3160 | 4822 051 30123 | 12kΩ 5% 0.1W |
| 3161 | 4822 051 30123 | 12kΩ 5% 0.1W |
| 3171 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3172 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3175 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3176 | 4822 051 30103 | 10kΩ 5% 0.062W |
| 3511 | 4822 051 30683 | 68kΩ 5% 0.062W |
| 3512 | 4822 051 30471 | 47Ω 5% 0.062W |
| 3513 | 4822 051 30333 | 33kΩ 5% 0.062W |
| 3528 | 4822 051 30472 | 4.7Ω 5% 0.062W |
| 3529 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3531 | 4822 051 30153 | 15kΩ 5% 0.062W |
| 3532 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3534 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3535 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3536 | 4822 051 30102 | 1kΩ 5% 0.062W |
| 3538 | 4822 051 30101 | 100Ω 5% 0.062W |
| 3539 | 4822 051 30221 | 220Ω 5% 0.062W |
| 3543 | 4822 051 30223 | 22kΩ 5% 0.062W |
| 3560 | 4822 051 30682 | 6.8Ω 5% 0.062W |
| 3561 | 4822 051 30392 | 3.9Ω 5% 0.063W 0603 |
| 3562 | 3198 021 34780 | 4.7Ω 5% 0603 |
| 3999 | 4822 051 30682 | 6.8Ω 5% 0.062W |

| | | |
|---|---|---|
| 5103 | 4822 526 10704 | Bead 50 Ω at 100MHz |
| 5104 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5105 | 2422 549 43769 | Bead 30Ω at 100MHz |
| 5106 | 4822 157 50961 | 22µH |
| 5107 | 2422 549 42896 | Bead 120Ω 100MHz |
| 5110 | 4822 157 71736 | 10µH 5% |
| 5500⚠ | 2422 531 00076 | BS25412-01 B |
| 5504 | 2422 536 00776 | 33µH 10% |
| 5505 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5506 | 4822 157 11411 | Bead 80Ω at 100MHz |
| 5507 | 2422 536 00433 | 15µH 10% |
| 5508⚠ | 4822 157 11832 | 400µH 3A |

| | | |
|---|---|---|
| 6101 | 9322 099 61685 | BYG10J |
| 6102 | 4822 130 11397 | BAS316 |
| 6103 | 5322 130 31938 | BYV27-200 |
| 6105 | 4822 130 11522 | UDZ15B |
| 6107 | 4822 130 11572 | STPS8H100F |
| 6115 | 4822 130 11522 | UDZ15B |
| 6130 | 9322 129 41685 | BZM55-C12 |
| 6132 | 4822 130 11416 | PDZ6.8B |
| 6133 | 4822 130 11397 | BAS316 |
| 6134 | 4822 130 11397 | BAS316 |
| 6140 | 4822 130 83755 | BYW36 |
| 6144 | 4822 130 11397 | BAS316 |
| 6148 | 4822 130 11397 | BAS316 |
| 6149 | 3198 020 55680 | BZX384-C5V6 |
| 6504 | 9322 203 12673 | BYV27-600 |
| 6531 | 4822 130 11522 | UDZ15B |
| 6532 | 4822 130 11397 | BAS316 |
| 6534 | 9340 548 47115 | PDZ3.3B |
| 6562 | 9340 548 67115 | PDZ22B |

| | | |
|---|---|---|
| 7100 | 9352 700 18518 | TEA1533AT/N1 |
| 7101 | 9340 219 30115 | BC817-25W |
| 7102 | 9322 206 17687 | FET STP4NK80ZFP |
| 7131 | 9340 557 69127 | PHX9NQ20T |
| 7140 | 3198 010 42310 | BC847BW |
| 7501⚠ | 9322 149 04682 | TCET1102 |
| 7506 | 3198 010 42310 | BC847BW |
| 7507 | 3198 010 42310 | BC847BW |
| 7511 | 9322 192 16685 | TS2431AI |
| 7531 | 9340 436 50115 | BSP030 |
| 7532 | 3198 010 42310 | BC847BW |
| 7534 | 3198 010 42320 | BC857BW |
| 7560 | 9340 219 30115 | BC817-25W |

# 11. Revision List

**Manual xxxx xxx xxxx.0**
- First release.

**Manual xxxx xxx xxxx.1**
- **Chapter 1:** Connection overviews updated and 32PF9731D/10 added.
- **Chapter 4:** Figure “Rear cover removal” added.
- **Chapter 5:** Figure 5.16 resized.
- **Chapter 5:** Fuse for “Sanken” supply mentioned and added to the spare parts list.
- **Chapter 7:** Diagram B8A added.
- **Chapter 10:** Spare parts list updated.
- **All Chapters:** Small textual corrections made.

**Manual xxxx xxx xxxx.2**
- **All Chapters:** information for 42PF9641D/10 added.
- **Chapter 4:** Service positions (use of foam bars) changed.
- **Chapter 5:** Service Mode instructions for Ambi Light changed.
- **Chapter 5:** Start-up diagrams updated.
- **Chapter 5:** ComPair order codes updated.
- **Chapter 5:** Error definitions of error 1, 2 and 4 changed
- **Chapter 8:** Tint settings changed.
- **Chapter 10:** Spare parts list updated with all model numbers.